Owner's Manual

Please read before using this unit.

DVD/CD Player

DP170SL8

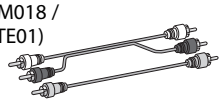
SYLVANIA

INSTRUCCIONES EN ESPAÑOL INCLUIDAS.

Supplied Accessories

remote control (NB082UD)

RCA audio/video cables (WPZ0102TM018 / WPZ0102LTE01)



batteries (AA x 2)

owner's manual (1VMN23559)

Connecting to RF Modulator (Not Supplied)

If your TV has antenna in jack only, it is still possible to connect this unit to your TV by using an RF modulator. In this case, follow the instructions below.

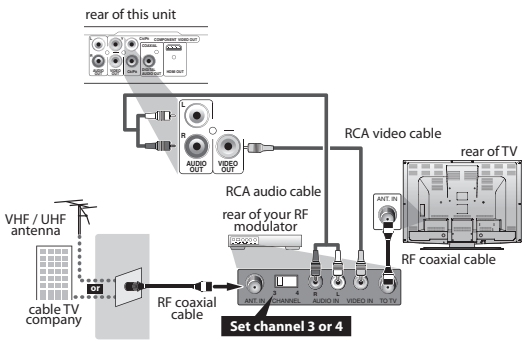
1) Disconnect the power cords of the devices from the AC outlet.

2) Make the connection as illustrated below.

3) Set your RF modulator's channel 3/4 switch to either 3 or 4, whichever the TV channel is least used in your area. If your RF modulator has a modulator/antenna switch, set it according to the manual supplied with the RF modulator.

4) Plug in the power cords of the devices to the AC outlet.

5) Turn on your TV and choose the same channel as you set the RF modulator's channel 3/4 switch to. For more details, follow the manual supplied with the RF modulator.



Note:

- RF modulator is not supplied with this unit. You need to purchase it at your local store.
- The quality of picture may become poor if this unit is connected to an RF modulator.

If you need additional operating assistance after reading this owner's manual, please call

TOLL FREE : 1-800-968-3429

or visit our web site at

http://www.SylvaniaConsumerElectronics.com

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PRECAUTIONS

WARNING: TO PREVENT FIRE OR ELECTRICAL SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The caution marking is located on the rear of the cabinet.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Laser Safety

This unit employs a laser. Only a qualified service person should remove the cover or attempt to service this device, due to possible eye injury.

CAUTION: USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

CAUTION: VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED. DO NOT STARE INTO BEAM.

LOCATION: INSIDE, NEAR THE DECK MECHANISM.

FCC WARNING - This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

RADIO-TV INTERFERENCE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1) Reorient or relocate the receiving antenna.
2) Increase the separation between the equipment and receiver.
3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4) Consult the dealer or an experienced radio/TV technician for help.

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION: POUR ÉVITER LES CHOCS ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

A NOTE ABOUT RECYCLING

This product's packaging materials are recyclable and can be reused. Please dispose of any materials in accordance with your local recycling regulations.
Batteries should never be thrown away or incinerated but disposed of in accordance with your local regulations concerning chemical wastes.

Make your contribution to the environment!!!

- Used up batteries do not belong in the dust bin.
- You can dispose of them at a collection point for used up batteries or special wastes. Contact your council for details.

For Customer Use:
Read carefully the information located at the back of this unit and enter below the Model No. and the Serial No. Retain this information for future reference.

Model No. _____

Serial No. _____

Important Safeguards

1. Read Instructions - All the safety and operating instructions should be read before the appliance is operated.
2. Retain Instructions- The safety and operating instructions should be retained for future reference.
3. Heed Warnings - All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow Instructions - All operating and use instructions should be followed.
5. Cleaning - Unplug this video product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
   EXCEPTION: A product that is meant for uninterrupted service and, that for some specific reason, such as the possibility of the loss of an authorization code for a CATV converter, is not intended to be unplugged by the user for cleaning or any other purpose, may exclude the reference to unplugging the appliance in the cleaning description otherwise required in item 5.
6. Attachments - Do not use attachments not recommended by the video product manufacturer as they may cause hazards.
7. Water and Moisture- Do not use this video product near water, for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.
8. Accessories - Do not place this video product on an unstable cart, stand, tripod, bracket, or table. The video product may fall, causing serious injury to a child or adult, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the video product. Any mounting of the appliance should follow the manufacturer's instructions and should use a mounting accessory recommended by the manufacturer. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

   PORTABLE CART WARNING
   (Symbol provided by RETAC)

   S3125A
9. Ventilation - Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the video product and to protect it from overheating, and these openings must not be blocked or covered.
   The openings should never be blocked by placing the video product on a bed, sofa, rug, or other similar surface. This video product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
10. Power Sources - This video product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
11. Grounding or Polarization - This video product is equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
12. Power Cord Protection - Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
13. Lightning - For added protection for this video product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the video product due to lightning and power-line surges.
14. Power Lines - An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
15. Overloading - Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.
16. Object and Liquid Entry - Never push objects of any kind into this video product through any openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the video product.
17. Servicing - Do not attempt to service this video product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
18. Damage Requiring Service - Unplug this video product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
    a. When the power-supply cord or plug is damaged.
    b. If liquid has been spilled, or objects have fallen into the video product.
    c. If the video product has been exposed to rain or water.
    d. If the video product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the video product to its normal operation.
    e. If the video product has been dropped or damaged in any way.
    f. When the video product exhibits a distinct change in performance this indicates a need for service.
19. Replacement Parts - When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.
20. Safety Check - Upon completion of any service or repairs to this video product, ask the service technician to perform safety checks to determine that the video product is in proper operating condition.
21. Heat - This video product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

Location and Handling

- Do not stand this unit up vertically. Install this unit in a horizontal and stable position. Do not place anything directly on top of this unit. Do not place this unit directly on top of the TV.
- Depending on the TV, noise or disturbance of the picture and/or sound may be generated if this unit is placed too close to your TV. In this case, please ensure enough space between your TV and this unit.
- Do not cover or place this unit in enclosed spaces to prevent excessive temperature build up.
- Do not place this unit in direct sunlight, or near heat sources.
- Depending on the environment, the temperature of this unit may increase slightly. This is not a malfunction.
- Keep this unit away from strong magnetic objects.
- Do not place any object containing water or other liquids on this unit. In the event that liquid should enter the cabinet, unplug this unit immediately and contact the retailer or an authorized service center immediately.
- Do not remove this unit cabinet. Touching parts inside the cabinet could result in electric shock and/or damage to this unit. For service and adjustment inside the cabinet, call a qualified dealer or an authorized service center.
- Be sure to remove disc and unplug the AC power cord from the output before carrying this unit.

Avoid the Hazards of Electrical Shock and Fire

- Do not handle the power cord with wet hands.
- Do not pull on the power cord when disconnecting it from AC outlet. Grasp it by the plug.
- If, by accident, water is spilled on this unit, unplug the power cord immediately and take the unit to our authorized service center for servicing.

Moisture Condensation Warning

Moisture may form inside this unit under the following conditions:
- Immediately after a heater is turned on.
- In a steamy or humid room.
- When this unit is suddenly moved from a cold to warm environment.

If moisture forms inside this unit, it may not operate properly or damage the disc. In such case, do not use this unit at least for 2 hours until its inside gets dry.

About Copyright

Unauthorized copying, broadcasting, public performance and lending of discs are prohibited.
This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

Notice for Progressive Scan Outputs

Consumers should note that not all high definition television sets are fully compatible with this product and may cause artifacts to be displayed in the picture. In case of picture problems with 525 progressive scan output, it is recommended that the user switch the connection to the 'standard definition' output. If there are questions regarding your TV set compatibility with this 525p DVD player, please contact our customer service center.

Symbols Used in this Manual

The following symbols appear in some headings in this manual.

DVD : Description refers to DVD-video.

CD : Description refers to audio CD.

MP3 : Description refers to CD-RW/-R with MP3 files.

JPEG : Description refers to CD-RW/-R with JPEG files.

DivX® : Description refers to discs with DivX® files.

Maintenance

Servicing

- Please refer to relevant topics on the "Troubleshooting Guide" on page 25 before returning the product.
- If this unit becomes inoperative, do not try to correct the problem by yourself. There are no user-serviceable parts inside. Turn off, unplug the power plug, and please call our toll free customer support line found on the cover of this manual to locate an authorized service center.

Cleaning the Cabinet

- Use a soft cloth slightly moistened with a mild detergent solution. Do not use a solution containing alcohol, spirits, ammonia or abrasive.

Cleaning Discs

- When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the center to out. Do not wipe in a circular motion.
- Do not use solvents such as benzine, thinner, commercially available cleaners, detergent, abrasive cleaning agents or anti-static spray intended for analog records.

Cleaning the Disc Lens

- If this unit continues to perform improperly even after you have referred to the relevant sections and to the "Troubleshooting Guide" in this manual, the laser optical pickup unit may be dirty. Consult your dealer or an authorized service center for inspection and cleaning of the laser optical pickup unit.

Disc Handling

- When you handle a disc, hold it by its edge and try not to touch the surface of the disc.
- Always store the disc in its protective case when not in use.

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DOLBY DIGITAL

Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

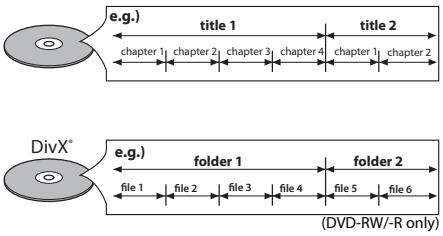
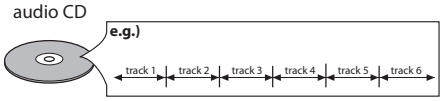
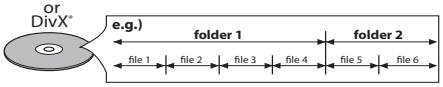
ENERGY STAR

Product that have earned ENERGY STAR® are designed to protect the environment through superior energy efficiency.

Reproducing DivX® data;
You can enjoy DivX® files which are recorded on DVD-RW/-R or CD-RW/-R.
- Official DivX Certified™ product
- Plays DivX® 6.0, DivX® 5, DivX® 4, DivX® 3, and DivX® VOD video content (in compliance with DivX Certified™ technical requirement).

About the Discs

Playable Discs

Type of media	Mark (logo)	Region code	Recorded signals	Media size	Disc types
DVD-video *1, 2, 3, 5, 9	DVD VIDEO	or	digital video (MPEG2)	5 inches (12 cm) or 3 inches (8 cm)	
DVD-RW DVD-R *1, 3, 4, 5, 6, 7,8, 9, 10	DVD RW DVD R	—	digital video or DivX®		DivX® (DVD-RW/-R only)
DVD+RW DVD+R *1, 3, 4, 5, 8, 9	RW DVD+ReWritable RW DVD+R	—	digital video (MPEG2)		
audio CD *3, 5, 9	COMPACT disc DIGITAL AUDIO	—	digital audio	5 inches (12 cm) or 3 inches (8 cm)	audio CD 
CD-RW CD-R *3, 4, 5, 8, 9	COMPACT disc DIGITAL AUDIO ReWritable COMPACT disc ReWritable COMPACT disc DIGITAL AUDIO Recordable COMPACT disc Recordable	—	digital audio or MP3 or JPEG or DivX®		MP3 or JPEG or DivX® 
Kodak Picture CD *3, 4, 5, 8, 9	Kodak Picture CD COMPATIBLE	—	JPEG		

DVD is a trademark of DVD Format/Logo Licensing Corporation. Kodak Picture CD COMPATIBLE is trademark of Eastman Kodak Company.

DivX, DivX Certified, and associated logos are trademarks of DivX, Inc. and are used under license.

If you cannot play back a disc which bears one of the marks above, check the following.

*1: This unit conforms to the NTSC color system. Discs recorded in other color systems such as PAL cannot be played back.
*2: Certain DVD-video does not operate as described in this manual due to the intentions of the disc's producers.
*3: Scratched or stained discs may not be played back.
*4: Some discs cannot be played back because of incompatible recording conditions, characteristics of the recorder or special properties of discs.
*5: You can play back discs which bear the marks above. If you use nonstandardized discs, this unit may not play them back. Even if they are played back, the sound or video quality will be compromised.
*6: You may play back the unfinalized DVD-RW/-R recorded in the video format on our brand's DVD recorder. However, depending on the recording status of a disc, the disc may not be played back at all or normally (the picture or sound may not be smooth, etc.). In this case, you need to finalize the disc with the DVD recorder. Refer to the manual accompanying the DVD recorder.
*7: Only discs recorded in the video format and finalized can be played back.
Unfinalized discs cannot be played back. Depending on the recording status of a disc, the disc may not be played back at all (the picture or sound may not be smooth, etc.).
*8: If the recorded portion of the disc is too small (less than 2-3/16 inches (55 mm) across), it may not play back properly.
*9: Do not glue paper or put stickers on to the disc. These may damage the disc, and the unit may not read it correctly.
*10: Discs recorded in the VR (video recording) format cannot be played back

Unplayable Discs

NEVER play back the following discs as malfunction may result!

DVD-RAM, DVD-audio, CD-i, photo CD, DVD with region codes other than 1 or ALL, DTS-CD, DVD-ROM for personal computers, CD-ROM for personal computers

On the following disc, the sound MAY NOT be heard.

super audio CD

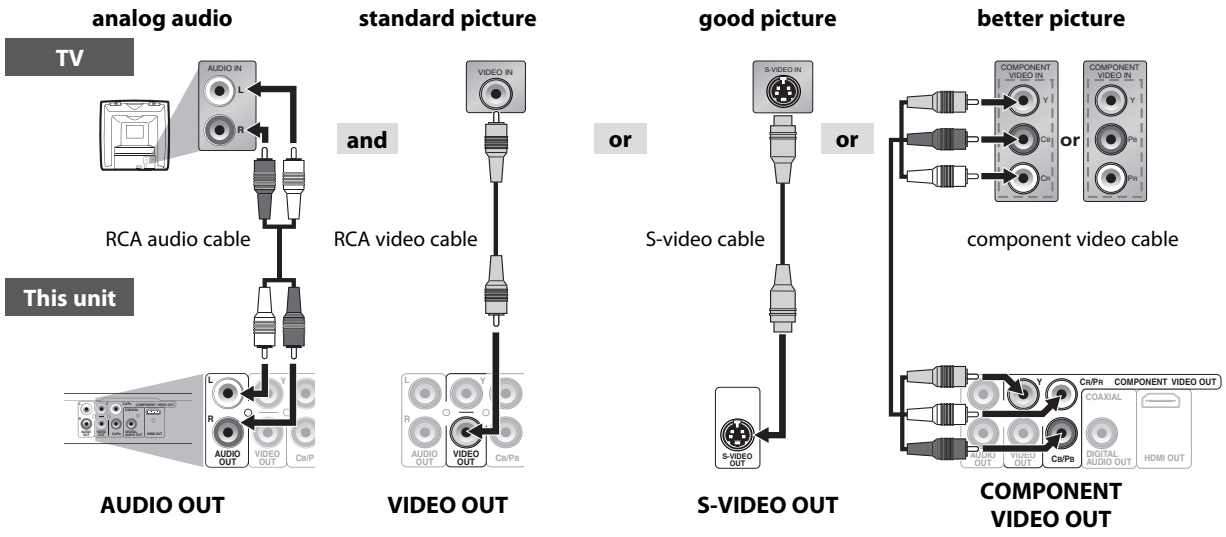
Note:

• Only the sound recorded on the normal CD layer can be delivered. The sound recorded on the high density super audio CD layer cannot be delivered.

Any other discs without compatibility indications

Connections

Connection to a TV



Supplied cables used in this connection are as follows:
- RCA audio cable (L/R) x 1
- RCA video cable x 1

Please purchase the rest of the necessary cables at your local store.

Note:
- Connect this unit directly to your TV. If RCA audio/video cables are connected to a VCR, pictures may be distorted due to the copy protection system.

If your TV is compatible with 525 progressive scanning and you want to enjoy that high quality picture;

You must select the connection COMPONENT VIDEO OUT above and progressive scanning mode. To set the mode, set "PROGRESSIVE" to "ON" in "DISPLAY" menu, so that the P.SCAN on the front panel lights up. Refer to pages 20-21 for more details.
- When "PROGRESSIVE" is "ON", video signals from the unit's VIDEO OUT and S-VIDEO OUT jacks will be distorted or not be output at all.

If your TV is not compatible with progressive scanning;

Use this unit in interlace mode and set "PROGRESSIVE" to "OFF" either in "DISPLAY" menu or by pressing and holding **[PLAY ►]** on the front of the unit for more than 5 seconds, so that the P.SCAN on the front panel turns off.

After connecting to your TV:

You will need to switch to video input on your TV. This is usually marked TV/VIDEO, INPUT or AUX.
Please refer to your TV's owner's manual for details.

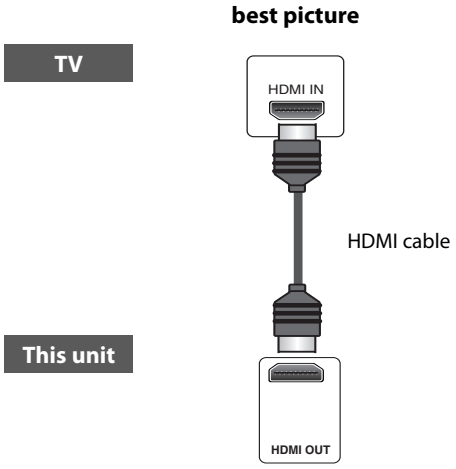
Input modes for common TV brands:

Listed below are inputs for common brand name TV's.

Admiral:	AUX	Panasonic:	TV/VIDEO
Curtis Mathis:	LINE1, LINE2, 00, 90, 91, 92, 93	RCA:	INPUT, TV/VCR, 00, 90, 91, 92, 93
GE:	INPUT, TV/VCR, 00, 90, 91, 92, 93	Samsung:	TV/VIDEO
Hitachi:	INPUT, AUX	Sanyo:	VIDEO
JVC:	VIDEO, VIDEO1, VIDEO2, VIDEO3	Sharp:	00
Kenwood:	AUX	Sony:	VIDEO1, VIDEO2, VIDEO3
LXI-Series:	00	Toshiba:	TV/GAME
Magnavox:	AUX CHANNEL	Zenith:	00

Connection to a TV with an HDMI Compatible Port

A simple 1-cable connection with a device having an HDMI (High-Definition Multimedia Interface) connector allows digital transfer of the digital images of DVD-video and other devices.



When connecting with an HDMI cable, the audio signal will be output as the digital audio signal simultaneously, so you do not need the analog audio connection described on page 6.

Cables not included.
Please purchase the necessary cables at your local store.

Actual output modes by media

		DOLBY DIGITAL Setting	
	Audio Recording Format	BITSTREAM *1	PCM
DVD-video	Dolby Digital	Dolby Digital	2channel PCM
	LPCM	2channel PCM	2channel PCM
DivX®	Dolby Digital	Dolby Digital	2channel PCM
	MP3/MP2	2channel PCM	2channel PCM
audio CD		2channel PCM	2channel PCM
MP3		2channel PCM	2channel PCM

*1 If the connected device is not compatible with HDMI BITSTREAM, signals are output on PCM.

Copyright protection system

To play back the digital video images of a DVD via an HDMI connection, it is necessary that both the player and the display device (or an AV amplifier) support a copyright protection system called HDCP (high-bandwidth digital content protection system). HDCP is copy protection technology that comprises data encryption and authentication of the connected AV device.
This unit supports HDCP. Please read the operating instructions of your display device (or AV amplifier) for more information.

*HDMI: High Definition Multimedia Interface

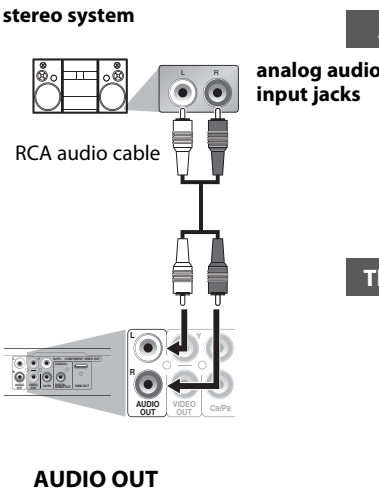
Note:

- When using an HDCP-incompatible display device, the image will not be viewed properly.
- Among the devices that support HDMI, some devices can control other devices via the HDMI connector; however, this unit cannot be controlled by another device via the HDMI connector.
- The audio signals from the HDMI connector (including the sampling frequency and bit length) may be limited by the device that is connected.
- Among the monitors that support HDMI, some do not support audio output (for example, projectors). In connections with device such as this, audio signals are not output from the HDMI output connector.
- When the set's HDMI connector is connected to a DVI-D compatible monitor (HDCP compatible) with an HDMI-DVI converter cable, the signals are output in digital RGB.

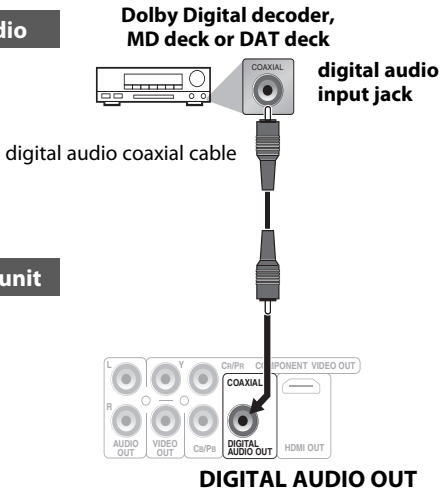
HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

Connection to an Audio System

Analog Audio Connection



Digital Audio Connection



Supplied cables used in this connection are as follows:

• RCA audio cable (L/R) x 1

Please purchase the rest of the necessary cables at your local store.

Connection \ Setting	SETUP > QUICK > DOLBY DIGITAL
Connecting to a Dolby Digital decoder for Dolby Digital audio output.	**BITSTREAM**
Connecting to other device (an MD deck or DAT deck etc.) without Dolby Digital decoder.	**PCM**

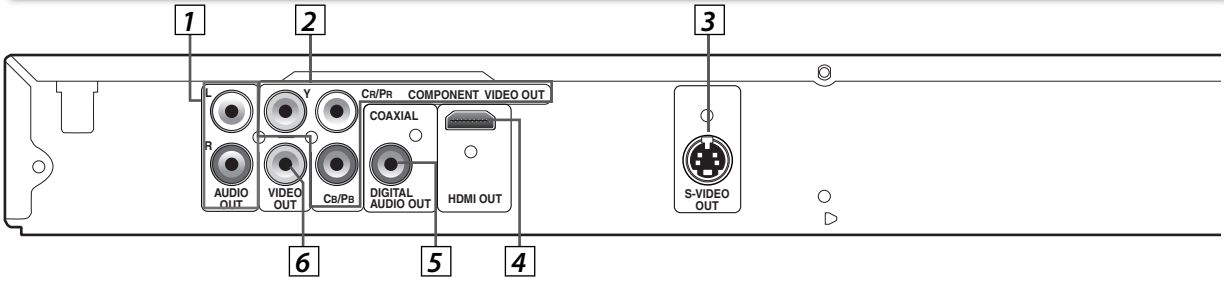
* To complete these settings, refer to pages 20-22.

Note:

- The audio source on a disc in a Dolby Digital multi channel surround format cannot be recorded as digital sound by an MD or DAT deck.
- By hooking this unit up to a Dolby Digital decoder, you can enjoy high-quality Dolby Digital multi channel surround sound as heard in the movie theaters.
- Playing back a DVD using incorrect settings may generate noise distortion and may also damage the speakers.

Function Overview

Rear Terminals



1: AUDIO OUT jacks
Connect an RCA audio cable from here to the audio input jack of your television or audio device.

2: COMPONENT VIDEO OUT jacks
Connect component video cables from here to the component video input jacks of your television.

3: S-VIDEO OUT jack
Connect an S-video cable from here to the S-video input jack of your television.

4: HDMI OUT jack
Connect an HDMI cable from here to the HDMI compatible port of a television or other display device.

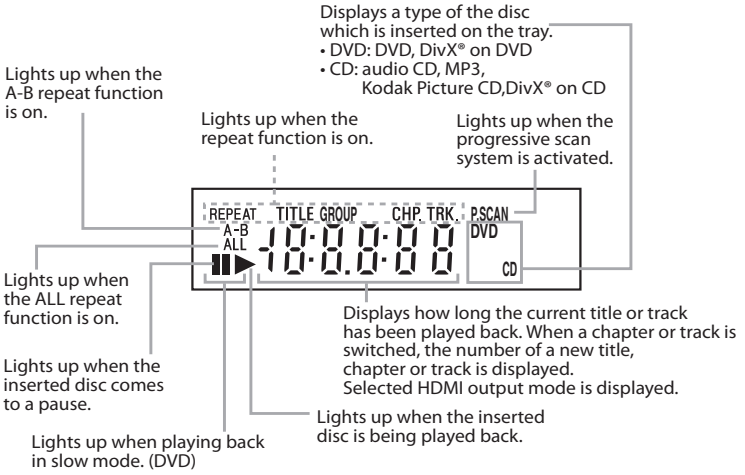
5: DIGITAL AUDIO OUT COAXIAL jack
Connect a digital audio coaxial cable from here to the digital audio input jack of your digital audio receiver.

6: VIDEO OUT jack
Connect an RCA video cable from here to the video input jack of your television.

Note:

- **Please purchase the necessary cables at your local store.** (Refer to pages 6-8.)

Front Panel Display


Displays a type of the disc which is inserted on the tray.
• DVD: DVD, DivX® on DVD
• CD: audio CD, MP3, Kodak Picture CD,DivX® on CD
Lights up when the A-B repeat function is on.
Lights up when the repeat function is on.
Lights up when the progressive scan system is activated.
REPEAT
TITLE GROUP
CHP. TRK.
P.SCAN
A-B
ALL
DVD
CD
Lights up when the ALL repeat function is on.
Lights up when the inserted disc comes to a pause.
Lights up when playing back in slow mode. (DVD)
Lights up when the inserted disc is being played back.
Displays how long the current title or track has been played back. When a chapter or track is switched, the number of a new title, chapter or track is displayed.
Selected HDMI output mode is displayed.

	Power on
	No disc inserted or cannot read
	Tray open
	Tray closed
	Loading the disc
	Power off
	HDMI output mode (480p) is selected
	HDMI output mode (720p) is selected
	HDMI output mode (1080i) is selected
	HDMI output mode (1080p) is selected
	HDMI output mode (OFF) is selected

HDMI Setup

Press **[HDMI]** on the remote control to select the HDMI output mode. The output mode changes as follows every time **[HDMI]** is pressed.

480P → 720P → 1080I → 1080P → hdOFF

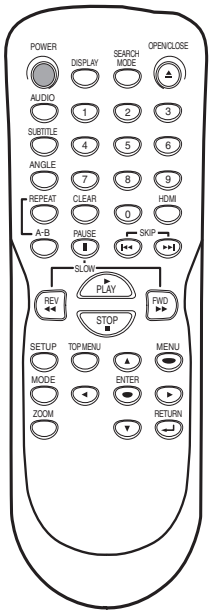
480P (Default): Video output from the HDMI OUT jack at 480p.
720P: Video output from the HDMI OUT jack at 720p.
1080I: Video output from the HDMI OUT jack at 1080i.
1080P: Video output from the HDMI OUT jack at 1080p.
hdOFF: No video output from the HDMI OUT connector.

Note:

- Video and audio signals may distorted temporarily when switching to/from the HDMI output mode.
- Use a display with an HDMI-compatible port.
- You can check the HDMI connection status by pressing **[DISPLAY]** during playback with the HDMI output mode (refer to page 7).
- If the TV is not compatible with newly selected HDMI output mode, the actual output mode will be kept the one before changing the selection. When this occurs, the newly selected mode will appear on the front panel display while the actual output resolution will be indicated by performing the on-screen display as described above.

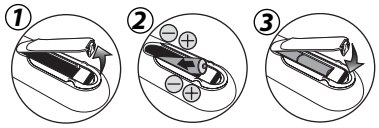
SETUP

Remote Control



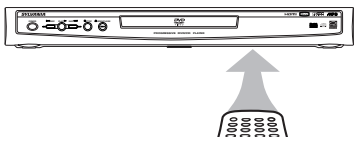
Installing the Batteries for the Remote Control

Install the batteries (AA x 2) matching the polarity indicated inside battery compartment of the remote control.



Keep in mind the following when using the remote control:

- Make sure that there are no obstacles between the remote control and the infrared sensor window on the unit.
- The maximum operable ranges from the unit are as follows.
  - **Line of sight**: approx. 23 feet (7m)
  - **Either side of center**: approx. 16 feet (5m) within 30°
  - **Above**: approx. 16 feet (5m) within 15°
  - **Below**: approx. 10 feet (3m) within 30°



Note:

- Do not mix alkaline and manganese batteries.
- Do not mix old and new batteries.
- Always remove batteries from remote control if they are dead or if the remote control is not to be used for an extended period of time. This will prevent battery acid from leaking into the battery compartment.

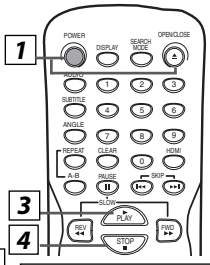
Button (Alphabetical order) / Disc	DVD	CD MP3 JPEG	DivX
1 2 3 4 5 6 7 8 9 0	• To select chapter or title directly.	• To select track or file directly.	• To select file directly.
REV FWD	• To search forward/backward through a disc. • To begin slow forward/reverse playback in the pause mode.	• To search forward/backward through a disc. (CD/MP3)	• To search forward/backward through a disc. • To begin slow forward playback in the pause mode.
ENTER	• To move the cursor and determine its position.	• To move the cursor and determine its position.	• To move the cursor and determine its position.
A-B	• To repeat between your chosen point of A and B.	• To repeat between your chosen point A and B. (CD)	• To repeat between your chosen point A and B.
ANGLE	• To select camera angles on a disc.	• To rotate a picture. (JPEG)	—
AUDIO	• To select audio language on a disc.	• To select “STEREO”, “L-ch” or “R-ch”. (CD)	• To access a various audio function on the disc.
CLEAR	• To clear the markers. • To clear the numbers entered incorrectly. • To cancel the point for A-B repeat.	• To clear the markers. (CD) • To remove status number in program input. • To clear the numbers entered incorrectly. • To cancel the point for A-B repeat. (CD)	• To clear the numbers entered incorrectly. • To cancel the point for A-B repeat.
DISPLAY	• To display the current disc mode.	• To display the current disc mode.	• To display the current disc mode.
HDMI	• To set the HDMI signal output.	• To set the HDMI signal output.	• To set the HDMI signal output.
MENU	• To call up the menu on a disc.	• To call up the file list. (MP3/JPEG)	• To call up the file list.
MODE	• To set black level on/off. • To set virtual surround on/off.	• To arrange the playing order or play randomly. (CD) • To set virtual surround on/off. (CD/MP3) • To activate the slide show mode. (JPEG)	• To set black level on/off.
OPEN/CLOSE	• To open or close the disc tray. • To turn on the unit.	• To open or close the disc tray. • To turn on the unit.	• To open or close the disc tray. • To turn on the unit.
PAUSE	• To pause disc playback. • To advance playback one frame at a time.	• To pause disc playback.	• To pause disc playback. • To advance playback one frame at a time.
PLAY	• To begin disc playback. • To turn on the unit.	• To begin disc playback. • To turn on the unit.	• To begin disc playback. • To turn on the unit.
POWER	• To turn the unit on/off.	• To turn the unit on/off.	• To turn the unit on/off.
REPEAT	• To play back a chapter or title repeatedly.	• To play back a track or disc repeatedly. (CD) • To play back a file, folder or disc repeatedly. (MP3/JPEG)	• To play back a track, group or disc repeatedly.
RETURN	• To return to the previous operation in menu.	• To return to the previous operation in menu.	• To return to the previous operation in menu.
SEARCH MODE	• To search chapter, title or time. • To set or search the markers.	• To search tracks. • To search time. (CD) • To set or search the markers. (CD)	• To search tracks. • To search time.
SETUP	• To call up the setup menu.	• To call up the setup menu.	• To call up the setup menu.
SKIP	• To skip chapters or titles.	• To skip tracks.	• To skip tracks.
STOP	• To stop playback.	• To stop playback.	• To stop playback.
SUBTITLE	• To select subtitles on a disc.	—	• To select subtitles on a disc.
TOP MENU	• To call up the top menu on a disc.	• To return to the top file in the highest hierarchy of the program and the file list. (MP3/JPEG)	• To return to the top file in the highest hierarchy of the file list.
ZOOM	• To magnify part of a picture. (x2/x4)	• To magnify part of a picture. (x2) (JPEG)	• To magnify part of a picture. (x2)

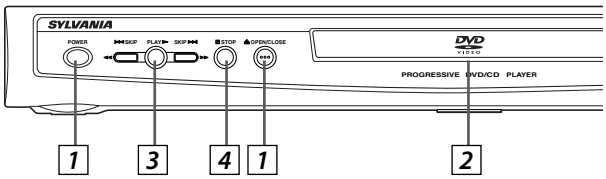
Please note : most instructions in this manual refer to remote control use.

Playback

Before:
Turn on the TV, amplifier and any other components which are connected to this unit. Make sure the TV and audio receiver are set to the correct channel.

DVD CD MP3 JPEG on page 12,
DivX® on page 14





1 To open the disc tray POWER → OPEN/CLOSE	**2** Insert a disc with label facing up.
3 To start playback PLAY	**4** To stop playback STOP

Note:
- When you play back a CD-RW/-R with MP3/JPEG files, details on page 12.
- When you play back a CD-RW/-R or DVD-RW/-R with DivX® files, details on page 14.
- "⃠" may appear at the top-right on the TV screen when the operation is prohibited by the disc or this unit.
- Some DVD may be played from title 2 or 3 due to specific programs.
- During the playback of a 2-layered disc, pictures may stop for a moment. This happens while the 1st layer is being switched to the 2nd layer. This is not a malfunction.
- You can change the on-screen language for DVD function in "PLAYER MENU" menu. Refer to page 20.

Disc Menu

DVD

Some discs contain menus which allow you to customize DVD playback. Use **[▲ / ▼ / ◄ / ►]** to select an item, then press **[ENTER]** (or **[PLAY ►]**).

Calling Up a Menu Screen during Playback

DVD

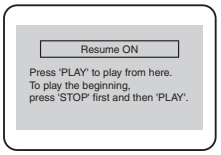
- Press **[MENU]** to call up the disc menu.
- Press **[TOP MENU]** to call up the title menu.

Note:
- Menu operations may vary depending on the disc. Refer to the manual accompanying the disc for details.

Resume Playback

DVD CD MP3 JPEG DivX®

Press **[STOP ■]** during playback. Resume message will appear on the TV screen.
Press **[PLAY ►]**, playback will resume from the point at which playback was stopped.



e.g.) DVD

Note:
- To cancel resume, press **[STOP ■]** one more time in the stop mode.
- For MP3 and JPEG, playback will resume from the beginning of the track at which playback was stopped.
- The resume information will be kept when the unit is turned off.

Paused and Step-by-Step Playback

DVD CD MP3 JPEG DivX®

Press **[PAUSE ❚❚]** during playback.
To continue playback, press **[PLAY ►]**.

DVD DivX®

The disc goes forward by one frame each time **[PAUSE ❚❚]** is pressed in the pause mode.
To continue playback, press **[PLAY ►]**.

Note:
- For DVD, set "STILL MODE" to "FIELD" in "DISPLAY" menu if pictures in the pause mode are blurred. Refer to pages 20-21.

To use [SKIP ⏮], [SKIP ⏭] on this unit

DVD CD MP3 JPEG DivX®

Press once to skip chapters, tracks or titles to a desired point.

Fast Forward / Reverse Search

DVD CD MP3 DivX®

Press **[FWD ►►]** or **[REV ◄◄]** repeatedly during playback to select the required forward or reverse speed.

To use [SKIP ⏮], [SKIP ⏭] on this unit
Pressing and holding **[SKIP ⏮]** or **[SKIP ⏭]** on this unit will also change forward or reverse playback speed.
To continue playback, press **[PLAY ►]**.

Note:
- For DVD, fast forward or reverse search speed is different depending on the disc. Approximate speed is 1(2x), 2(8x), 3(20x), 4(50x), 5(100x).
- For audio CD, DivX® and MP3, approximate speed is 1(2x), 2(8x), 3(30x).
- For some DivX® files, fast forward/reverse search may not work.

Slow Forward / Reverse Search

DVD DivX® ▮▶1

Press **[FWD ▶▶]** or **[REV ◀◀]** repeatedly in the pause mode to select the required forward or reverse speed.

To use [SKIP ⏮], [SKIP ⏭] on this unit

Pressing and holding **[SKIP ⏮]** or **[SKIP ⏭]** on this unit in the pause mode will also change forward or reverse playback speed. To continue playback, press **[PLAY ▶]**.

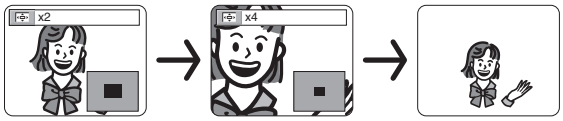
Note:

- Slow forward or reverse speed is different depending on the disc. Approximate speed is 1(1/16x), 2(1/8x), 3(1/2x).
- Set "STILL MODE" to "FIELD" in "DISPLAY" menu if pictures in the slow playback mode are blurred. Refer to pages 20-21.
- Only slow forward is available when playing back discs with DivX® files.

Zoom

DVD JPEG DivX®

1) Press **[ZOOM]** during playback.
2) Press **[ZOOM]** repeatedly to select the required zoom factor: x2, x4 or off.



3) Press **[▲ / ▼ / ◀ / ▶]** to slide the zoomed picture across the TV screen.
4) To exit zoom mode, press **[ZOOM]** to select off.

Note:

- Zoom function does not work while the disc menu is displayed.
- x4 zoom is not available on some discs.
- Only x2 Zoom is available on JPEG and discs with DivX® files.
- In the zoom mode, it automatically changes x2 (x4) to the zoomed position guide.
- You cannot slide the zoomed picture on some JPEG files.

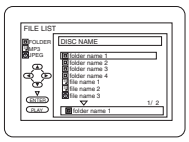
MP3, JPEG Playback

MP3 or JPEG is a method of compressing files. You can copy MP3 or JPEG files on CD-RW/-R from the computer and play back the files on this unit.

MP3 JPEG

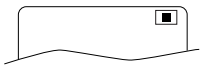
Insert a CD-RW/-R with MP3/JPEG files, the file list will automatically appear on the TV screen. Press **[MENU]** when you want to call up the file list again while CD-RW/-R with MP3 files is already inserted.

1 When selecting the folder:



- Press **[▶]** when you want to go to the next hierarchy.
- Press **[◀]** when you want to go back to the previous hierarchy (except for the top hierarchy).

2 Press **[STOP ■]** once to stop playback temporarily.



Refer to "Resume Playback" on page 11.

This unit recommends the files recorded under the following circumstances:

Applicable MP3 file	Remarks
Sampling frequency: 44.1 kHz or 48 kHz	• For MP3 file recorded in VBR (variable bit rate), the unit may not display the actual elapsed time.
Constant bit rate: 32 kbps ~ 320 kbps	

Applicable JPEG file	Remarks
Normal playback Upper limit: 6,300 x 5,100 Pixel lower limit: 32 x 32 pixel File size: Max. 7 MB	• A JPEG image that extends beyond the screen is reduced so that it will be displayed within the screen.
Dual playback Upper limit: 5,000 x 5,000 Pixel lower limit: 32 x 32 pixel File size: Max. 5 MB	

Note:

- Depending on some sections, it may take a while to be recognized.
- Press **[TOP MENU]** to return to the first item.
- Folders and MP3 and JPEG files are displayed respectively as , and .
- A maximum of 255 folders or 999 files may be recognized on one disc.
- Up to 8 hierarchies can be recognized in one folder. File in the 9th or deeper hierarchies cannot be played back.

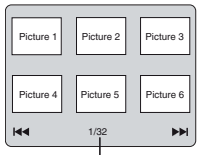
Kodak Picture CD

JPEG

This unit can also run JPEG files stored on Kodak Picture CD. The picture CD is a service to convert photographs taken by a conventional film camera into digital data and write the data on a CD. The user can enjoy picture images on the television set by playing back the picture CD. For details of Kodak Picture CD, contact a shop that deals with developing service of Kodak Inc.

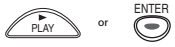
1 When selecting the file :

To select a desired track



Current track number / the number of total tracks

To play back



- If a Kodak Picture CD file is selected, an image will be played back from the selected track and go to the next one in turn.
- Press **[STOP]** to stop playback.
- If all menu items cannot be displayed in the TV screen, "⏭" appears at the right bottom of the screen, indicating that the user can view remaining items on the next page. "⏮" appears, it indicates that the user can view other items on the previous page. The track number of the currently highlighted item and the total tracks are shown at the center bottom of the screen.
- If "⏭" is shown at the right bottom, use **[SKIP ⏭]** to view the next page. If "⏮" is shown at the left bottom, use **[SKIP ⏮]** to view the previous page.
- It may take some time until all menu items are displayed on the menu screen.

Note:

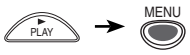
- A track is displayed for 5 seconds and then the next track is displayed.
- Every press on **[ANGLE]** will turn the image clockwise by 90 degrees when an image is displayed.

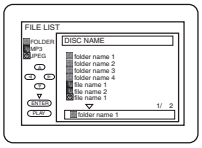
Dual Playback

MP3 JPEG

This unit allows you to play back MP3 and JPEG files simultaneously. Available only when "DUAL PLAYBACK" is "ON". Refer to pages 20-24 on how to set "DUAL PLAYBACK" to "ON" or "OFF".

1 Press **[MENU]** during MP3/JPEG playback.





2 To select a desired MP3 or JPEG file from the FILE LIST.

Note:

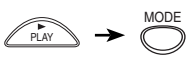
- To cancel dual playback, press **[MENU]** again at step 1.
- If you press **[PLAY ►]** directly after you inserted a disc which contains both MP3 and JPEG files and if the "DUAL PLAYBACK" setting is "ON", dual playback will start automatically.
- If you press **[FWD ►►]** or **[REV ◄◄]** during dual playback, a JPEG file will be paused.
- Zooming or rotating a JPEG file during dual playback may cause an intermittent sound.
- Depending on the data size of each file, dual playback may not function properly. (Refer to "Applicable JPEG file" on page 12.)

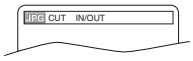
Transition Mode

JPEG

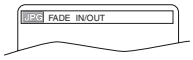
You can switch to the transition mode for JPEG files during playback.

1 During playback, Press **[MODE]** repeatedly until "JPG" appears.





2 To switch "CUT IN/OUT" or "FADE IN/OUT".



CUT IN/OUT:
The entire image appears in one time.
FADE IN/OUT:
The image appears gradually and then disappears.

3 Press **[RETURN ↩]** to exit.

Note:

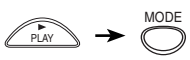
- The transition mode cannot be switched when it is stopped, or from the file list screen or the picture CD menu screen.
- The default setting is "CUT IN/OUT".

Adjustment of Picture Size

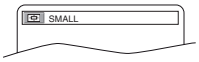
JPEG

Depending on the TV connected to this unit, the overall picture cannot be displayed and the edge of the picture can be cut off. In this case, you can adjust the size of the JPEG playback image on screen.

1 During playback, press **[MODE]** repeatedly until "⊡" appears.



2 To switch "NORMAL" or "SMALL".



NORMAL:
To display the image at 100% of the picture size.
SMALL:
To display the image at 95% of the picture size.

3 Press **[RETURN ↩]** to exit.

Note:

- The setting screen will not be displayed while in the stop mode or from the file list.
- This feature may have no effect on some files (e.g. Files with small picture size).
- The default setting is "NORMAL".

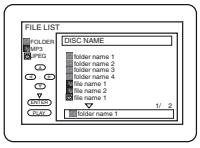
Folder Playback

MP3 JPEG

This unit allows you to play back all the files and tracks contained in one selected folder automatically.
If the folder contains both MP3 and JPEG files, the dual playback will begin automatically within that folder.
Available only when "DUAL PLAYBACK" is "ON". Refer to pages 20-24 on how to set "DUAL PLAYBACK" to "ON" or "OFF".

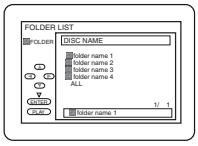
1 Press **[STOP ■]** once to stop MP3 or JPEG playback.

File list will appear.



2 Press **[MODE]** once.

Folder list will appear.



3 To select a desired folder from the folder list.

Note:

- To cancel folder playback, press **[MODE]** again at step 2.
- If you press **[FWD ►►]** or **[REV ◄◄]** during folder playback, a JPEG file will be paused.
- Zooming or rotating a JPEG file during folder playback may cause an intermittent sound.
- Depending on the data size of each file, folder playback may not function properly. (Refer to "Applicable JPEG file" on page 12.)

DivX® Playback

This unit can play back DVD-RW/-R and CD-RW/-R recorded in DivX® format. When a DVD-RW/-R or CD-RW/-R with DivX® files is inserted in this unit, the file list will appear automatically on the TV screen. Press **[MENU]** when you call up the file list again while the disc is inserted. The number of files will be also displayed on the front display.

1) Using **[▲ / ▼]**, select the desired folder or file.
- To return to the previous screen, press **[◀]**.
- If a folder is selected, press **[▶]** or **[ENTER]** to go on to the file selection screen. Using **[▲ / ▼]**, choose a file, then press **[PLAY ▶]** or **[ENTER]**.
- If a file is selected, press **[PLAY ▶]** or **[ENTER]** to start playing back files. The selected file and the subsequent files will be played back.
- When selecting the folders:

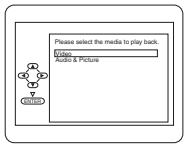
–Press **[▶]** when you want to go to the next hierarchy.

–Press **[◀]** when you want to go back to the previous hierarchy (except for the top hierarchy).
- Press **[TOP MENU]** to return to the first item.

2) Press **[STOP ■]** to stop playback.

Note:
- DivX® is a codec (compression/decompression) that can compress images to a very small amount of data. The software can compress video data from almost any sources to the size that can be sent on the Internet without compromising visual quality of the images.
- A file with an extension of ".avi" and ".divx" is called a DivX® file. All files with the ".avi" extension are recognized as MPEG 4.
- Files whose extension other than ".avi" and ".divx" will not be listed on the DivX® menu. However, unplayable groups or tracks may be displayed, depending on the recording conditions.
- Even if the file has an extension of either ".avi" and ".divx", this player cannot play it back if it is recorded in the format other than DivX®.
- Folders are known as groups; files are known as tracks.
- DivX® files are accompanied by icon.
- Folders are accompanied by icon.
- Maximum of 255 folders can be recognized.
- Maximum of 999 files can be recognized.
- If the track extends beyond the scope of screen, a down arrow "▼" appears, indicating that the user can view another part on the previous page. The current page number and the number of total pages are shown on the left of the down arrow "▼".
- The name of folder and file can be displayed up to 25 characters. Unrecognizable characters will be replaced with "* asterisks".
- Up to 8 hierarchies can be recognized.
- You can play back the disc recorded in multi-session.
- Playback will be paused if the file list is displayed during the playback.
- It may take a while for audio and images to be output after you inserted a disc and pressed **[PLAY ▶]**.
- When playing back the files recorded in high bit rates, the images can be interrupted in some occasions.
- Although DivX® logo has been obtained for this unit, it may not be able to play back some data, depending on the disc characteristics, bit rates, or audio format settings, etc.
- Use the software recognized by DivX®, Inc. when you make DivX® files.
- When using tools or utilities to make up DivX® files, read their instruction manual beforehand.
- A DivX® file whose file size exceeds 2GB cannot be played back.
- If a large-sized DivX® file is selected, it may take a while to start the playback (over 20 seconds sometimes).
- If DivX® files wrote on CD cannot be played back, rewrite them on a DVD and try to play back.
- For more information for DivX®, please visit http://www.divx.com
- Constant bitrate of image between 500kbps and 1,500kbps is recommended if you make DivX® files on a CD-RW/-R.

- If you insert a CD-RW/-R with DivX® files that are mixed with MP3 or JPEG files, the playback media selection screen will be displayed. Please select "Video".



- Press **[TOP MENU]** to call up the playback media selection screen in stop mode.
- If you select "Audio & Picture", instead of "Video" on the playback media selection screen, this unit can play back MP3/JPEG files.

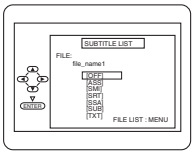
This unit recommends the use of files recorded at the following specifications:

Applicable DivX® file		Remarks
Playable Codec of AVI files	DivX®3.1.1, DivX®4.x, DivX®5.2.1,DivX®6.0	• They are recognized as MPEG 4.
Maximum size of image	720 x 480 @30fps 720 x 576 @25fps	
Sampling frequency of audio	8kHz - 48kHz	• It is prohibited to record MP3 sound on a digital device when the connection is made digitally.
Audio type	MPEG1 audio layer 3 MPEG1 audio layer 2 Dolby Digital	• MPEG1 audio layer 3 files recorded at fixed bit rate of 32 kbps or higher are recommended.

DivX® Subtitle

The subtitle created by the user can be displayed during DivX® playback.

1 After selecting the DivX® file, the subtitle list will appear when "DivX SUBTITLE" is set to other than "OFF" in "LANGUAGE" menu. (Refer to page 20.)



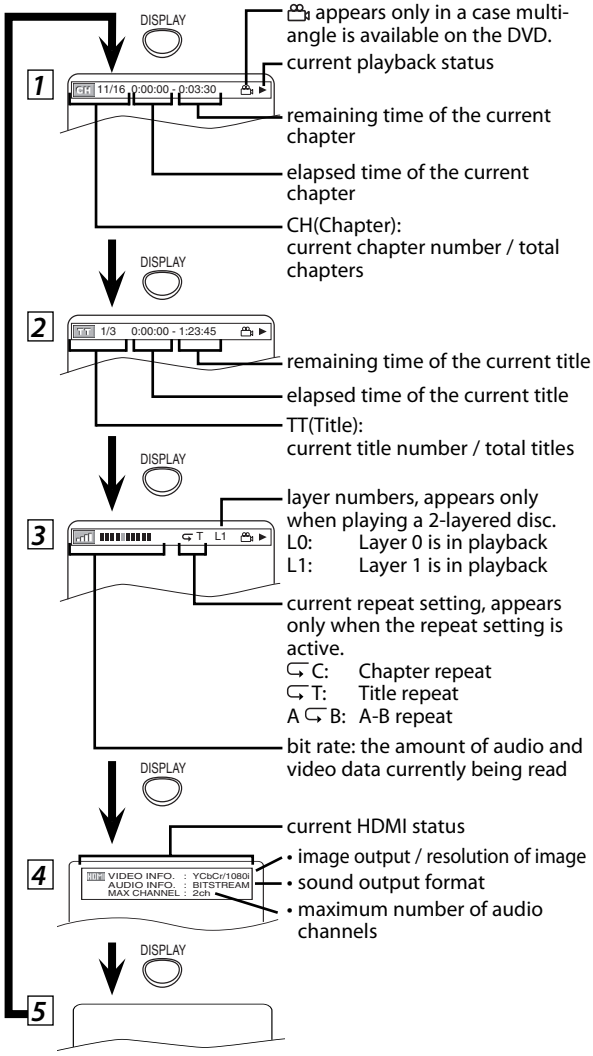
2 Press **[▲ / ▼]** to select the desired extension you want to display, then press **[ENTER]**. DivX® with the subtitle starts playback.
- If there is more than one extension, the extension selection appears in the subtitle list.

Note:
- DivX® subtitle can only be displayed according to the same name with an extension of the DivX® file name.
- Files whose extension is other than ".ASS", ".ass", ".SMI", ".smi", ".SRT", ".srt", ".SSA", ".ssa", ".SUB", ".sub", ".TXT" and ".txt" will not be listed in the SUBTITLE LIST.
- This unit cannot be recognized if the DivX® file and its subtitle file are not in the one folder.
- The subtitle may not be displayed if the file size is too large.
- To change the subtitle, refer to "Subtitle Language" on page 18 if multiple subtitles are available.
- The subtitle cannot display if the on-screen information is displayed.
- If "DivX SUBTITLE" is set to "OFF" in "LANGUAGE" menu, the subtitle will not be displayed even if you select a subtitle file. (Refer to page 20.)
- Unrecognizable characters will be replaced with "* asterisks".
- Some files whose extension is ".SUB", ".sub", ".TXT" and ".txt" may not be displayed.

On-Screen Display

You can check the information about the current disc by pressing **[DISPLAY]** on the remote control.

DVD



appears only in a case multi-angle is available on the DVD.

current playback status

remaining time of the current chapter

elapsed time of the current chapter

CH(Chapter):
current chapter number / total chapters

remaining time of the current title

elapsed time of the current title

TT(Title):
current title number / total titles

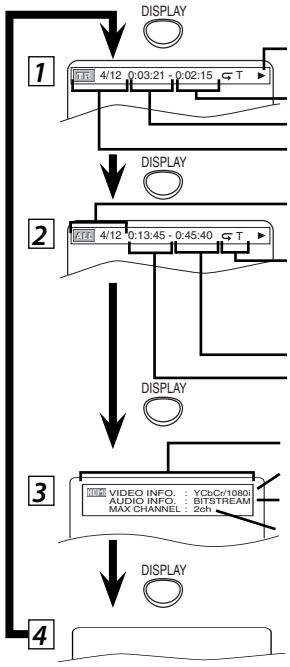
layer numbers, appears only when playing a 2-layered disc.
L0: Layer 0 is in playback
L1: Layer 1 is in playback

current repeat setting, appears only when the repeat setting is active.
C: Chapter repeat
T: Title repeat
A B: A-B repeat

bit rate: the amount of audio and video data currently being read

current HDMI status
- image output / resolution of image
- sound output format
- maximum number of audio channels

CD



current playback status

remaining time of the current track

elapsed time of the current track

TR(Track):
current track number / total tracks

ALL:
current track number / total tracks

current repeat setting, if active
T: Track repeat
A: All Tracks repeat
A B: A-B repeat

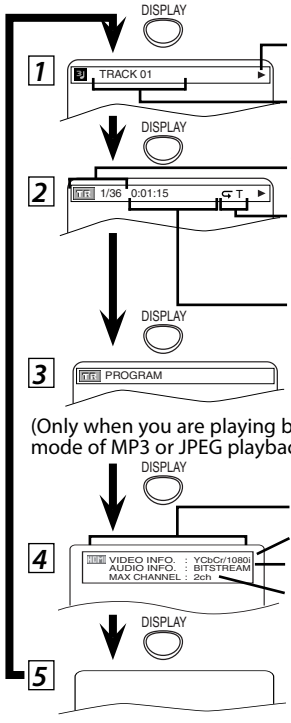
remaining time of the entire disc

elapsed time of the entire disc

current HDMI status
- image output / resolution of image
- sound output format
- maximum number of audio channels

Note:
- When you are playing back a disc in program or random mode, PROGRAM (or RANDOM) will be displayed instead of 2.

MP3 JPEG DivX



current playback status

the name of the file currently in play back will be displayed.

TR(Track):
current track number / total tracks

current repeat setting, if active
T: Track repeat
G: Group (folder) repeat
A: Disc repeat

elapsed playing time of the current track

(Only when you are playing back a disc in program or random mode of MP3 or JPEG playback.)

current HDMI status
- image output / resolution of image
- sound output format
- maximum number of audio channels

Note:
- When "DUAL PLAYBACK" is "ON", MP3 and JPEG file name will be displayed.

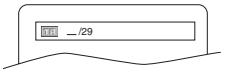
Search Functions

Search function does not work during programmed or random playback.

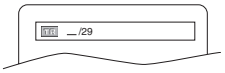
Using Track Search

CD MP3 JPEG DivX

1 Press **[SEARCH MODE]**.



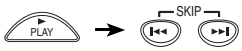
2 Select track number by using **[the Number buttons]** within 30 seconds.

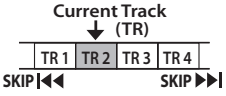


- For the disc with less than 10 tracks, press the track number directly.
- For discs with more than 10 but less than 99 tracks, to play back single-digit track, press **[0]** first, then the track number (e.g., for track 3, press **[0], [3]**). To play back a double-digit track, press the track number.
- For discs with more than 100 tracks, to play back a single or a double-digit track, press **[0]** first, then the track number (e.g., for track 3, press **[0], [0], [3]**, and for track 26, press **[0], [2], [6]**). To play back a triple-digit track, press the track number.

Using [SKIP ⏮◀◀, ▶▶⏭]

1 Press **[SKIP ⏮◀◀, ▶▶⏭]** during playback.



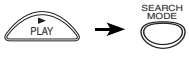


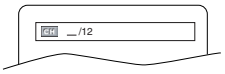
Note:
- For audio CD and MP3, track search is not available for programmed and random playback.

Using Title / Chapter Search

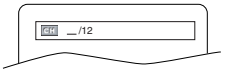
DVD

1 Press **[SEARCH MODE]** once for the chapter search.
Press **[SEARCH MODE]** twice for the title search.



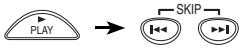


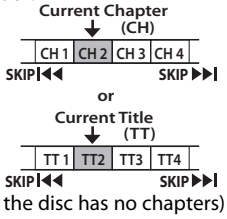
2 Select title/chapter number by using **[the Number buttons]** within 30 seconds.



Using [SKIP ⏮◀◀, ▶▶⏭]

1 Press **[SKIP ⏮◀◀, ▶▶⏭]** during playback.





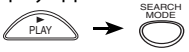
(If the disc has no chapters)

Note:
- Depending on the disc being played back, this function can also be performed by directly entering the desired chapter number with **[the Number buttons]**. Refer to the manual accompanying the disc.

Using Time Search

DVD CD DivX

1 Press **[SEARCH MODE]** repeatedly until the time search display appears.



2 Select a desired disc time by using **[the Number buttons]** within 30 seconds.

Note:
- When there is no need to enter a number, "0" appears automatically. For example, "0: 0_: _ _" appears in the time search display if the total time of the title or track is less than 10 minutes.
- Press **[CLEAR]** to erase the incorrect input at step 2.
- For audio CD, time search is not available for programmed and random playback.
- For some DivX® files, time search may not function.

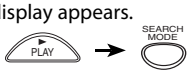
Marker Setting

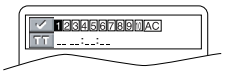
DVD CD

This function allows you to assign a specific point on a disc to be called back later.

To set a marker

1 Press **[SEARCH MODE]** repeatedly until the marker display appears.

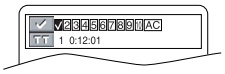




e.g.) DVD

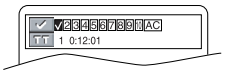
2 Select a marker.

3 Press **[ENTER]**.

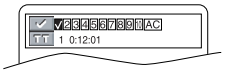


To return to the marker later

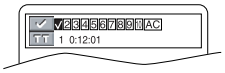
1 Press **[SEARCH MODE]** repeatedly until the marker display appears.



2 Select the marker.



3 Press **[ENTER]** at the desired marker.



To exit the marker screen

1 Press **[RETURN ↩]**.

Note:
- The marker display will disappear in about 30 seconds when there is no output.
- To clear a marker, select the marker to be cleared at step 2 in the section "To set a marker" or "To return to the marker later" and then press **[CLEAR]**.
- Opening the disc tray or turning off the power will erase all markers.
- Selecting "AC" at step 2 in the section "To set a marker" or "To return to the marker later" will also erase all markers.

DVD FUNCTIONS

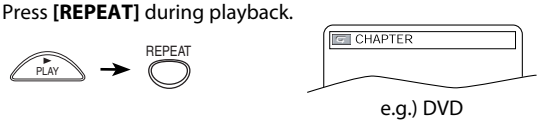
Repeat / Random / Programmed Playback

Repeat Playback

DVD CD MP3 JPEG DivX®

Repeat function is available only during playback.

1 Press **[REPEAT]** during playback.



e.g.) DVD

Each time you press **[REPEAT],** repeat function changes as example below.

DVD
- **OFF** (repeat **off**)
- **CHAPTER** (**current chapter** repeat)
- **TITLE** (**current title** repeat)

CD
- **OFF** (repeat **off**)
- **TRACK** (**current track** repeat)
- **ALL** (**entire disc** repeat)

MP3 JPEG DivX®
- **OFF** (repeat **off**)
- **TRACK** (**current file** repeat)
- **GROUP** (**current folder** repeat)
- **ALL** (**entire disc** repeat)

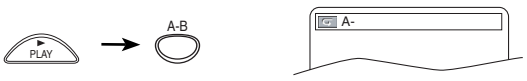
Note:
- Repeat setting (except "ALL") will be cleared when moving to another title, chapter, track/file or folder.
- This function is not available with some discs or during repeat A-B playback.

Repeat A-B Playback

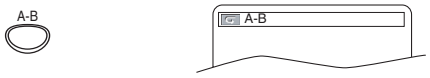
DVD CD DivX®

Repeat function is available only during playback.

1 Press **[A-B]** at your desired starting point (A).



2 Press **[A-B]** at your desired ending point (B).



- Point B should be in the same title or track as point A.

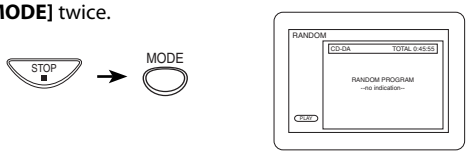
Note:
- To exit the sequence, press **[A-B]** so that "OFF" appears.
- To cancel point A, press **[CLEAR]** at step 1**.**
- This function is not available in the other repeat modes.
- The A-B repeat section can only be set within the current title (for DVD), or current track (for audio CD and discs with DivX® files).
- For some DivX® files, A-B repeat playback may not function.

Random Playback

CD MP3 JPEG

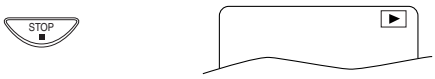
This function shuffles the playing order of tracks instead of playback in sequence.

1 Press **[MODE]** twice.



e.g.) CD

2 Press **[PLAY ►]** to start random playback.



Note:
- To repeat the current track in the random mode, press **[REPEAT]** repeatedly until "TRACK" appears during playback.
- To repeat the entire random selections, press **[REPEAT]** repeatedly until "ALL" appears during playback.
- During random playback, you cannot go back to the previous track.
- Random playback of MP3 or JPEG is not available while "DUAL PLAYBACK" is "ON".

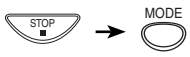
DVD FUNCTIONS

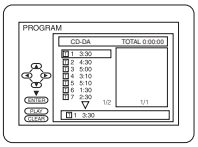
Programmed Playback

CD MP3 JPEG

You may determine the order in which tracks will play back.

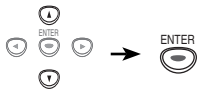
1 Press **[MODE]** once.

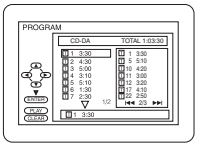




e.g.) CD

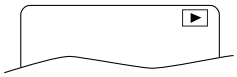
2 Using **[▲ / ▼]** to select desired track.
Press **[ENTER]**.





- Up to 99 tracks can be programmed.
- If eight or more tracks were in a program, use **[SKIP |◀◀, ▶▶|]** to see all the tracks.
- While an MP3 or JPEG folder is open:
  –Press **[▶]** when you want to go to the next hierarchy.
  –Press **[◀]** when you want to go back to the previous hierarchy (except for the top hierarchy).

3 Press **[PLAY ▶]** to start programmed playback.



Note:

- Press **[CLEAR]** at step 2 to erase the most recently entered track.
- To erase all programmed tracks at once, select "ALL CLEAR" and press **[ENTER]** at step 2.
- While a program is being played back, **[STOP ■]** works as follows;
  - Press **[STOP ■]** and **[PLAY ▶]** next, so that the programmed playback restarts. (CD playback restarts from the current point. MP3 or JPEG playback restarts from the beginning of the current file.)
  - Press **[STOP ■]** twice and **[PLAY ▶]** next, so that playback restarts from the first track in the original order. However, your programmed playback can be restarted when you follow the above steps. (Your programs are still stored until either the disc tray is open or power is turned off.)
- To repeat the current track in the program, press **[REPEAT]** repeatedly until "TRACK" appears during playback.
- To repeat the entire program, press **[REPEAT]** repeatedly until "ALL" appears during playback.
- Programmed playback of MP3 or JPEG is not available while "DUAL PLAYBACK" is "ON".

DVD FUNCTIONS

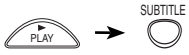
Special Settings

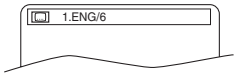
Subtitle Language

DVD DivX®

This unit allows you to select a subtitle language **(if available)** during DVD or DivX® file playback.

1 Press **[SUBTITLE]** during playback.





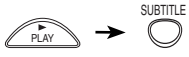
e.g.) DVD

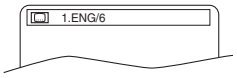
Each time you press **[SUBTITLE]**, subtitle language changes as example below.

OFF (no subtitles)
ENG (English subtitles)
FRE (French subtitles)
⋮

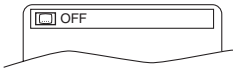
To cancel subtitle

1 Press **[SUBTITLE]** during playback.





2 Press **[◀ / ▶]** to set subtitle to "OFF".



Note:

- If your language is not shown after pressing **[SUBTITLE]** several times, the disc may not have that language. However, some discs have the subtitle language setting on the disc menu. (Operation varies depending on the discs, so refer to the manual along with the disc.)
- When "NOT AVAILABLE" appears on the TV screen, it means no subtitle is recorded on the scene.
- If you choose a language that has a 3-letter language code, the code will be displayed every time you change the subtitle language setting. If you choose any other languages, '---' will be displayed instead. Refer to page 26.
- Some discs will only allow you to change the subtitle from the disc menu. Refer to the manual accompanying the discs for details.
- For discs with DivX® files, only the number of subtitle languages is displayed.

Audio Language

DVD DivX®

This unit allows you to select an audio language **(if multiple languages are available)** during DVD or DivX® file playback.

1 Press **[AUDIO]** to change audio language.

e.g.) DVD

Each time you press **[AUDIO]**, the audio language changes as example below.

Note:

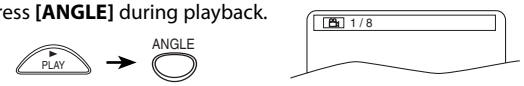
- If your language is not shown after pressing **[AUDIO]** several times, the disc may not have that language. However, some discs allow audio language setting on the disc menu. (Operation varies depending on the disc, so refer to the manual along with the disc.)
- When "OFF" appears on the TV screen, it means audio language is not available.
- Some discs will only allow you to change the audio setting from the disc menu. Refer to the manual accompanying the discs for details.
- For discs with DivX® files, only MP3, MP2 or Dolby Digital audio is displayed. Other sounds will be displayed with " - - - ".

Camera Angles

DVD

Some DVD may contain scenes which have been shot simultaneously from various angles. You can change the camera angle if appears on the TV screen. If the "ANGLE ICON" is set to "OFF" in "OTHERS" menu, will not appear. Refer to pages 20-24.

1 Press **[ANGLE]** during playback.



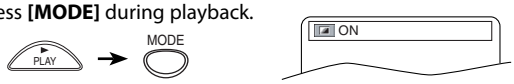
Each time you press **[ANGLE]** or **[◄ / ►]**, camera angle changes.

Black Level Setting

DVD DivX®

Adjust the black level to make the dark areas of the TV picture brighter.

1 Press **[MODE]** during playback.



2 Press **[ENTER]** to adjust the black level.

ON: makes the dark areas brighter.
OFF: shows the original picture as recorded.

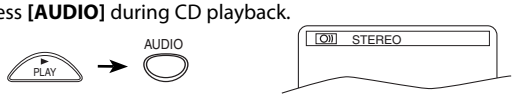
3 Press **[RETURN ↵]** to exit.

Stereo Sound Mode

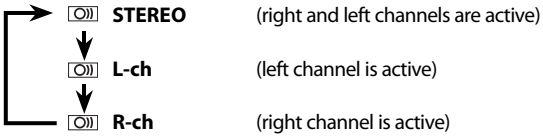
CD

This unit allows you to select a sound mode during CD playback.

1 Press **[AUDIO]** during CD playback.



Each time you press **[AUDIO]**, sound mode changes as example below.



Virtual Surround

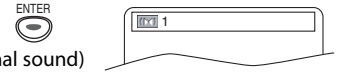
DVD CD MP3

You can enjoy stereophonic virtual world on your existing 2 channel stereo system.

1 Press **[MODE]** twice (once for CD and MP3) during playback.

2 Press **[ENTER]** for the desired effect.

1: natural effect
2: emphasized effect
OFF: no effects (original sound)



3 Press **[RETURN ↵]** to exit.

Note:

- For audio CD, virtual surround will not be effective if the sound mode is set to something other than "STEREO". Refer to "Stereo Sound Mode".
- For DVD, when playing back 96kHz with virtual surround function, the sound will be down sampled to 48kHz.

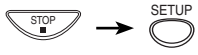
DVD FUNCTIONS

DVD Setting

QUICK Menu

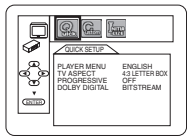
You can select the "PLAYER MENU", "TV ASPECT", "PROGRESSIVE" or "DOLBY DIGITAL" from "QUICK" menu quickly.

1 Press **[SETUP]** in the stop mode.



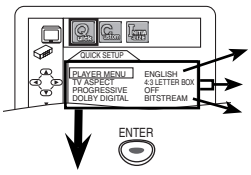
SETUP menu

Confirm that "QUICK" is selected.



ENTER

2 Select the desired item.



page 20 A Step 5
page 21 B Step 5
page 22 C Step 5

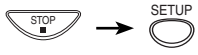
• Refer to the sections "PLAYER MENU", "TV ASPECT", "PROGRESSIVE" or "DOLBY DIGITAL" section on pages 21-22.

CUSTOM Menu

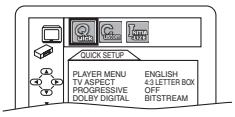
You can change the settings of the unit.

• **QUICK** on pages 21-22 indicates DVD setting menus also accessible from "QUICK" menu.

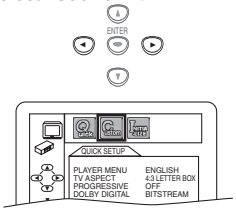
1 Press **[SETUP]** in the stop mode.



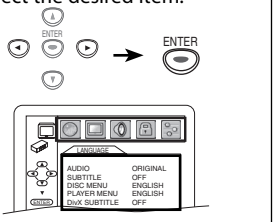
SETUP menu



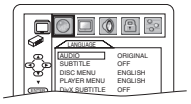
2 Select "CUSTOM".



3 Select the desired item.

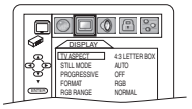


LANGUAGE menu



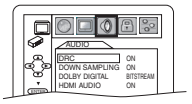
page 20 A

DISPLAY menu



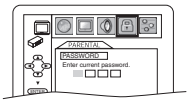
page 21 B

AUDIO menu



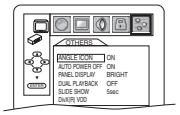
page 22 C

PARENTAL menu



page 23 D

OTHERS menu



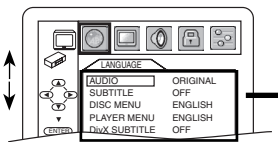
page 24 E

A LANGUAGE Setting

Follow steps 1 to 3 in the "CUSTOM Menu" section above.

4 Select the desired item.

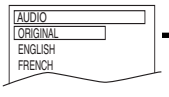
LANGUAGE menu



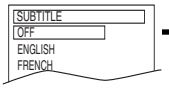
ENTER

5 Select the desired language.

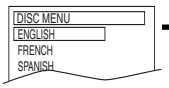
AUDIO: *1 *2
(Default: ORIGINAL)
Sets the audio language.



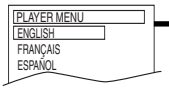
SUBTITLE: *1 *2
(Default: OFF)
Sets the subtitle language.



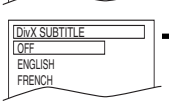
DISC MENU: *1
(Default: ENGLISH)
Sets the language for DVD menu.



PLAYER MENU: QUICK
(Default: ENGLISH)
Sets the language for the on-screen display.



DivX SUBTITLE:
(Default: OFF)
Sets the DivX® subtitle language.



ENTER

6 To exit the menu

SETUP

Note:

• In "QUICK" menu, "PLAYER MENU", "TV ASPECT", "PROGRESSIVE" or "DOLBY DIGITAL" are available. "QUICK " menu consists of the setting menu frequently used, and they are accompanied with **QUICK**. You can make all settings in "CUSTOM" menu.

Note:

***1**

• Language options are not available with some discs.

• If "OTHER" is selected on "AUDIO", "SUBTITLE" or "DISC MENU" screen, press 4-digit number to enter the code for the desired language. Refer to the "Language Code List" on page 26.

• Only the languages supported by the disc can be selected.

***2**

• "LANGUAGE" setting for "AUDIO" and "SUBTITLE" are not available with some discs. Then use **[AUDIO]** and **[SUBTITLE]**. Refer to pages 18-19.

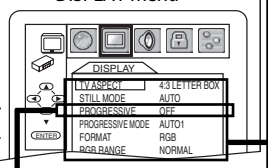
DVD FUNCTIONS

B DISPLAY Setting

You can change the display functions. Follow steps 1 to 3 in the "CUSTOM Menu" section on page 20.

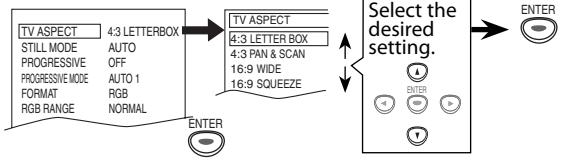
4 Select the desired item.

DISPLAY menu

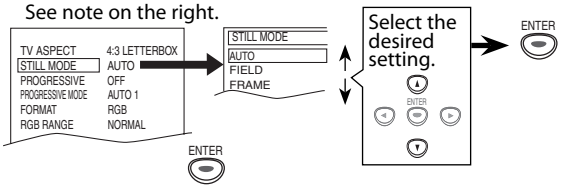


5

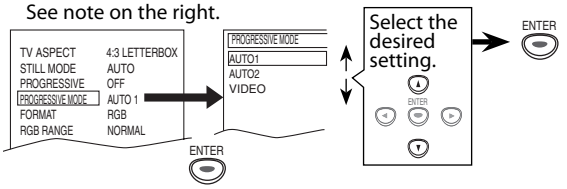
TV ASPECT: QUICK
(Default: 4:3 LETTER BOX)
See note on the right.



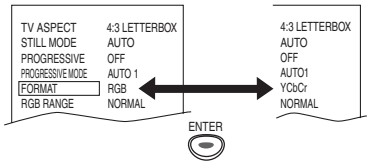
STILL MODE: (Default: AUTO)
See note on the right.



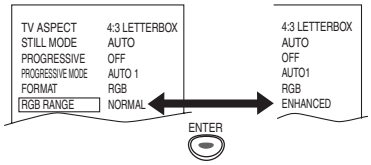
PROGRESSIVE MODE: (Default: AUTO1)
See note on the right.



FORMAT: (Default: RGB)
See note on the right.



RGB RANGE: (Default: NORMAL)
See note on the right.

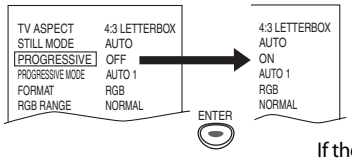


6 To exit the menu

SETUP

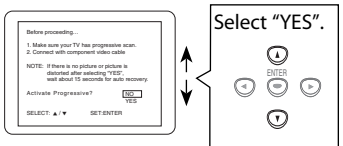
5

PROGRESSIVE: QUICK
(Default: OFF)
See note on the right.



SETUP

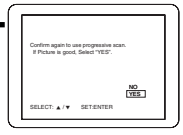
If "PROGRESSIVE" is "ON", this message appears:


Before proceeding...
1. Make sure your TV has progressive scan.
2. Connect with component video cable
NOTE: If there is no picture or picture is distorted after selecting "YES", wait about 15 seconds for auto recovery.
Activate Progressive?
NO
YES
SELECT: ▲ / ▼ SET:ENTER

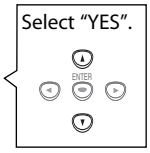
Select "YES".

ENTER

If there is no picture or you do not press any buttons for 15 seconds, Progressive Scan will switch to "OFF".



Select "YES".



ENTER

6 To complete the PROGRESSIVE setting

ENTER

Note:

TV ASPECT:
- Select "4:3 LETTER BOX", so that black bars may appear on the top and bottom of the screen.
- Select "4:3 PAN & SCAN" for a full height picture with both sides adjusted.
- Select "16:9 WIDE" if a wide-screen TV is connected to this unit.
- Select "16:9 SQUEEZE" when the TV screen is too large horizontally at "16:9 WIDE" setting and when it is possible to adjust the screen size using the TV's controls.

STILL MODE:
- Select "AUTO" usually.
- If you select "AUTO", it automatically selects the best resolution setting ("FRAME" or "FIELD") based on the data characteristics of the pictures. (default)
- If you select "FIELD", the picture in the still mode will be stabilized.
- If you select "FRAME", the picture in the still mode will be highly defined.
- An individual picture on TV screen is called a "frame", which consists of two separate images called as "field".
- Some pictures may be blurred at the "AUTO" setting in the still mode due to their data characteristics.

PROGRESSIVE MODE:
- You can select a mode below for the progressive scan output.
- AUTO1: mode suitable for images on the film material.
- AUTO2: mode for images on the material of 30-frame film.
- VIDEO: mode for video material.

FORMAT:
- Select an HDMI output mode between "YCbCr" and "RGB".
- When the connected device is not compatible with YCbCr, HDMI signal is output as RGB regardless of the setting.
- **This setting is effective only when you use the HDMI connection.**

RGB RANGE:
- Select a HDMI picture mode between "NORMAL" and "ENHANCED".
- Select "ENHANCED" if the black- white contrast is not clear.
- This setting is effective only for HDMI RGB output.

PROGRESSIVE:
- You can set "PROGRESSIVE" to "OFF" either in "DISPLAY" menu or by pressing and holding **[PLAY ▶]** on the front of the unit for more than 5 seconds.
- When "PROGRESSIVE" is "ON", video signals from VIDEO OUT and S-VIDEO OUT jacks will be distorted or not be output at all.

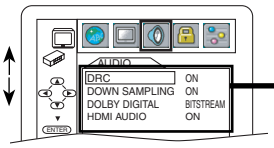
DVD FUNCTIONS

C AUDIO Setting

Choose the appropriate audio setting for your device. It only affects during the playback of DVD. Follow steps 1 to 3 in the "CUSTOM Menu" section on page 20.

4 Select the desired item.

AUDIO menu

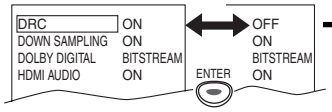


Note:

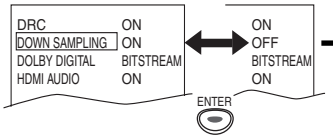
- In "QUICK" menu, "PLAYER MENU", "TV ASPECT", "PROGRESSIVE" or "DOLBY DIGITAL" are available. "QUICK" menu consists of the setting menu frequently used, and they are accompanied with **QUICK** . You can make all settings in "CUSTOM" menu.

5

DRC (Dynamic Range Control): (Default: ON)
Set to "ON" to compress the range between soft and loud sounds.

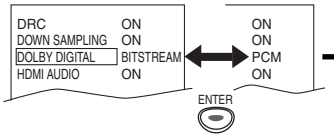


DOWN SAMPLING: (Default: ON)
Set to "ON" when outputting in 48kHz.
Set to "OFF" when outputting the original sound.



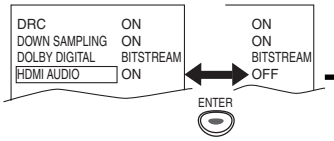
DOLBY DIGITAL: QUICK
(Default: BITSTREAM)
Set to "BITSTREAM" when the unit is connected to a Dolby Digital decoder.

- BITSTREAM: outputs Dolby Digital signals.
- PCM: converts the Dolby Digital into PCM (2 channel).



HDMI AUDIO: (Default: ON)
This function is only available when you use an HDMI connection.

- ON: to output the HDMI sound.
- OFF: not to output the HDMI sound.



6 To exit the menu

Note:

DRC:

- This function is available only on the discs which are recorded in the Dolby Digital format.

DOWN SAMPLING:

- When playing back a 96kHz disc with the copyright protection, or when virtual surround is set to "1" or "2", the sound will be down sampled at 48kHz even if the "DOWN SAMPLING" is set to "OFF".
- When the HDMI sound can be output, the setting change cannot be done.

HDMI AUDIO:

- When the HDMI sound can be output, the setting change cannot be done.
- **This function is available only on digital outputting of a disc recorded in 96kHz.**

DVD FUNCTIONS

D PARENTAL Setting

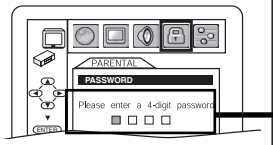
This function prevents unit from playing material inappropriate for children.

Parental Levels

Parental level allows you to set the rating levels of your DVD software. Playback will stop if the ratings exceed the levels you set. Follow steps 1 to 3 in the "CUSTOM Menu" section on page 20.

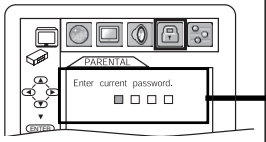
4 Enter your desired 4-digit password (expect for 4737).

PARENTAL menu



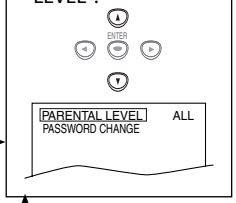
or

If you have set a password already, enter the current 4-digit password.



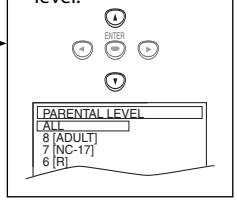
ENTER

5 Select "PARENTAL LEVEL".



ENTER

6 Select the desired level.



ENTER

7 To exit the menu

CONTROL LEVELS

- ALL: all parental locks are canceled.
- Level 8: DVD software of any grades (adult/general/children) can be played back.
- Levels 7 to 2: only DVD software intended for general use and children can be played back.
- Level 1: only DVD software intended for children can be played back, with those intended for adult and general use prohibited.

TIPS FOR LEVELS

- 8 [ADULT]: DVD software of any grades (adult/general/children) can be played back.
- 7 [NC-17]: no one under 17 admitted
- 6 [R]: restricted; under 17 requires accompanying parent or adult guardian
- 5 [PGR]: parental guidance recommended
- 4 [PG13]: unsuitable for children under 13
- 3 [PG]: parental guidance suggested
- 2 [G]: general audience
- 1 [KID SAFE]: suitable for children

Note:

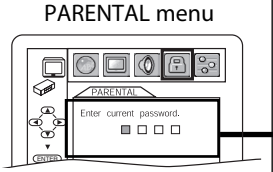
- Some DVD-video may not respond to "PARENTAL" setting. Make sure this function works with your DVD-video.
- The resume information will be cleared if you change the parental level when the resume information is on.

To Change the Password for Parental Controls

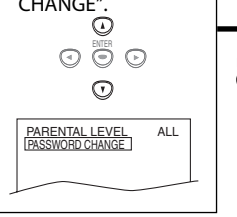
You can change your password for parental controls. Follow steps 1 to 3 in the "CUSTOM Menu" section on page 20.

4 Enter current 4-digit password.

PARENTAL menu

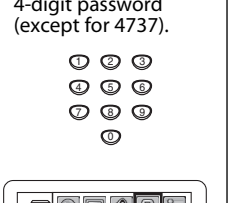


5 Select "PASSWORD CHANGE".



ENTER

6 Enter your new 4-digit password (except for 4737).



ENTER

7 To exit the menu

Note:

- Record the password in case you forget it.
- If you forget the password, press **[4], [7], [3], [7]** at step 4, then enter your new password. Password will be cleared and parental levels will be set to "ALL".

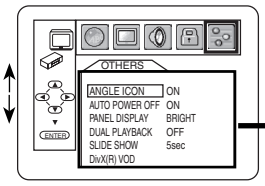
DVD FUNCTIONS

E OTHERS Setting

You can change the other functions. Follow steps 1 to 3 in the "CUSTOM Menu" section on page 20.

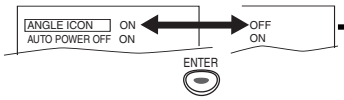
4 Select the desired item.

OTHERS menu

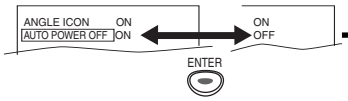


5

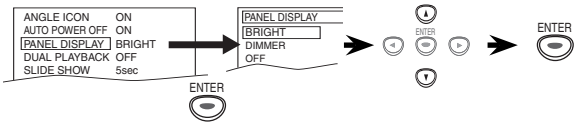
ANGLE ICON: (Default: ON)
Set to "ON" to display when multiple camera angles are available during DVD playback.



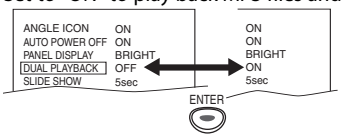
AUTO POWER OFF: (Default: ON)
Set to "ON" to turn this unit off automatically after 30 minutes of no use.



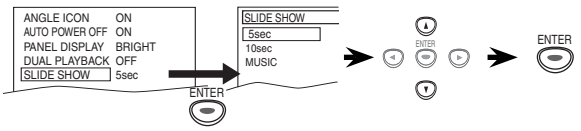
PANEL DISPLAY: (Default: BRIGHT)
Set the front panel display brightness.



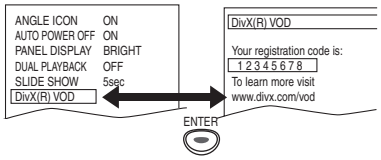
DUAL PLAYBACK: (Default: OFF)
Set to "ON" to play back MP3 files and JPEG files simultaneously.



SLIDE SHOW: (Default: 5sec)
Set the display time or set to display an image for each MP3 sound file playback.



DivX(R) VOD:
Set for playing back DivX® VOD.
You can play back the files purchased or rented from the VOD services.
See note on the right.



6 To exit the menu

SETUP

Note:

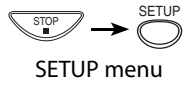
DivX(R) VOD:

- You need to have a registration code to purchase or rental VOD files. Please visit www.divx.com/vod for more details.
- You cannot play back the DivX® VOD files obtained with different registration codes on this player.
- You cannot play back the DivX® VOD files, of which rental period has been expired.
- Some DivX® VOD files are restricted with the limited playable times (you cannot play them back beyond the limit). If your DivX® VOD file has such limit, the playback confirmation screen will appear. Using [◄/►], select "YES" if you want to play back the file, or to select "NO" if you do not wish to play it back. Then, press **[ENTER]** to confirm the selection.
- Please send your inquiries regarding the VOD files to DivX®, Inc.

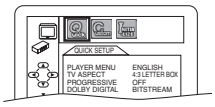
DVD FUNCTIONS

Reset to the Default Setting (Except for PARENTAL Setting)

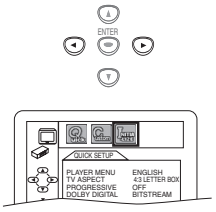
1 Press **[SETUP]** in the stop mode.



SETUP menu

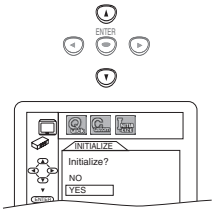


2 Select "INITIALIZE".



ENTER

3 Select "YES".



ENTER

Press twice.

4 To exit the menu

SETUP

Note:

- When you do not wish to initialize, select "NO" at step 3.

INFORMATION

Troubleshooting Guide

If this unit does not perform properly when operated as instructed in this manual. Refer to the following:

Problem	Corrective action
No power.	• Make sure the power plug is connected to an AC outlet. • Make sure the power is turned on.
This unit does not respond to the remote control.	• Check if the power plug is connected to an AC outlet. • Check the batteries in the remote control. • Aim the remote control directly at the infrared sensor window. If necessary, remove all the obstacles between the sensor and the remote control. • You have to be within 23 feet (7m) of this unit. • Tune your radio to an empty AM station so that you hear a lot of static. Turn up the volume, then if you hear some signal sound from the radio in response to your pressing buttons on the remote control, the remote control is working. • Press and hold any button on remote control toward a digital camera. The remote control is working if you confirm infrared light through the digital camera.
Poor picture or noise.	• Interference signal may be received. Change the position and direction of the unit.
No picture.	• Connect the video cable firmly. • Insert a correct video disc that can be played back on this unit. • Set "PROGRESSIVE" correctly in "DISPLAY" menu. Turn it on only if your TV has progressive scan and you are using the component video connections between the unit and the TV. Disable progressive scan for all other connections. Refer to page 6.
No image from HDMI connection.	• Check the HDMI connection. (Check the status of the HDMI related indications.) • Check whether the connected monitor device or other device supports HDCP. (This unit will not output a video signal unless the other device supports HDCP.) • Check the setting of HDMI. • Check whether the output format of this unit (HDMI FORMAT) matches the supported input format of other connected device.
Distorted picture.	• Connect this unit directly to the TV. • There are some cases where pictures may be slightly distorted, and those are not a sign of a malfunction. • Although pictures may stop for a moment, this is not a malfunction. Refer to page 11. • Check if "PROGRESSIVE" mode is set correctly according to your TV. Refer to pages 20-21.
Disc cannot be played back.	• Insert the disc. • Clean the disc. • Place the disc correctly with the label side up. • Cancel the parental lock or change the control levels. • Handle a disc with special care so that it does not have fingerprints, scratches, or dusts on its surface.
No sound.	• Connect the audio cables firmly. • Turn on the power of the audio component. • Correct the audio output settings. • Correct the input settings on the audio component.
No DTS audio is output.	• This unit does not support DTS audio. -This is not a malfunction.
Audio or subtitle language does not match the setting.	• The selected language is not available for audio or subtitles on the DVD. -This is not a malfunction.
The camera angle cannot be changed.	• The DVD does not contain sequences recorded from different camera angles. -This is not a malfunction.
Audio or subtitle language cannot be changed.	• The DVD does not contain audio source or subtitles in the selected language. -This is not a malfunction.
"⃠" appears on the TV screen, prohibiting an operation.	• That operation is prohibited by this unit or the disc. -This is not a malfunction.

• Some functions are not available in specific modes, but this is not a malfunction. Read the description in this manual for details on correct operations.
• Playback from a desired track and random playback are not available during programmed playback.
• Some functions are prohibited on some discs.

Specifications

Output signal format :
NTSC color
Power source :
120 V AC +/- 10%, 60 Hz +/- 0.5%
Power consumption :
10W (standby : 0.8W)

Operating temperature :
41°F (5°C) to 104°F (40°C)
Dimensions :
W : 17.2″ (435mm)
H : 2.1″ (51mm)
D : 8.4″ (211mm)
Weight :
Approx 4.0lbs (1.8kg)

- Designs and specifications are subject to change without notice.
- If there is a discrepancy between languages, the default language will be English.

Language Code List

Language	Code
A-B	
Abkhazian	4748
Afar	4747
Afrikaans	4752
Albanian	6563
Amharic	4759
Arabic	4764
Armenian	5471
Assamese	4765
Aymara	4771
Azerbaijani	4772
Bashkir	4847
Basque	5167
Bengali;Bangla	4860
Bhutani	5072
Bihari	4854
Bislama	4855
Breton	4864
Bulgarian [BUL]	4853
Burmese	5971
Byelorussian	4851
C-E	
Cambodian	5759
Catalan	4947
Chinese [CHI]	7254
Corsican	4961
Croatian	5464
Czech [CZE]	4965
Danish [DAN]	5047
Dutch [DUT]	6058
English [ENG]	5160
Esperanto	5161
Estonian	5166
F-H	
Faroese	5261
Fiji	5256
Finnish [FIN]	5255
French [FRE]	5264
Frisian	5271
Galician	5358
Georgian	5747
German [GER]	5051
Greek [GRE]	5158
Greenlandic	5758
Guarani	5360
Gujarati	5367
Hausa	5447
Hebrew	5569
Hindi	5455
Hungarian [HUN]	5467
I-K	
Icelandic [ICE]	5565
Indonesian	5560
Interlingua	5547
Interlingue	5551
Inupiak	5557
Irish [IRI]	5347
Italian [ITA]	5566
Japanese [JPN]	5647
Javanese	5669
Kannada	5760
Kashmiri	5765
Kazakh	5757
Kinyarwanda	6469
Kirghiz	5771
Kirundi	6460
Korean [KOR]	5761
Kurdish	5767
L-N	
Laothian	5861
Latin	5847
Latvian;Lettish	5868
Lingala	5860
Lithuanian	5866
Macedonian	5957
Malagasy	5953
Malay	5965
Malayalam	5958
Maltese	5966
Maori	5955
Marathi	5964
Moldavian	5961
Mongolian	5960
Nauru	6047
Nepali	6051
Norwegian [NOR]	6061
O-R	
Occitan	6149
Oriya	6164
Oromo(Afan)	6159
Panjabi	6247
Pashto;Pushto	6265
Persian	5247
Polish [POL]	6258
Portuguese [POR]	6266
Quechua	6367
Rhaeto-Romance	6459
Romanian [RUM]	6461
Russian [RUS]	6467
S	
Samoan	6559
Sangho	6553
Sanskrit	6547
Scots Gaelic	5350
Serbian	6564
Serbo-Croatian	6554
Sesotho	6566
Setswana	6660
Shona	6560
Sindhi	6550
Singhalese	6555
Siswat	6565
Slovak [SLO]	6557
Slovenian	6558
Somali	6561
Spanish [SPA]	5165
Sundanese	6567
Swahili	6569
Swedish [SWE]	6568
T	
Tagalog	6658
Tajik	6653
Tamil	6647
Tatar	6666
Telugu	6651
Thai	6654
Tibetan	4861
Tigrinya	6655
Tonga	6661
Tsonga	6665
Turkish [TUR]	6664
Turkmen	6657
Twi	6669
U-Z	
Ukrainian	6757
Urdu	6764
Uzbek	6772
Vietnamese	6855
Volapuk	6861
Welsh	4971
Wolof	6961
Xhosa	7054
Yiddish	5655
Yoruba	7161
Zulu	7267

If you choose a language that has a 3-letter language code, the code will be displayed every time you change the audio or subtitle language setting on pages 18-19. If you choose any other languages, '---' will be displayed instead. (3-letter language code is written in bracket.)

SYLVANIA LIMITED WARRANTY

FUNAI CORP. will repair this product, free of charge in the USA in the event of defect in materials or workmanship as follows:

DURATION:

PARTS: FUNAI CORP. will provide parts to replace defective parts without charge for one (1) year from the date of original retail purchase. Certain parts are excluded from this warranty.

LABOR: FUNAI CORP. will provide the labor without charge for a period of ninety (90) days from the date of original retail purchase.

LIMITS AND EXCLUSIONS:

This warranty is extended only to the original retail purchaser. A purchase receipt or other proof of original retail purchase will be required together with the product to obtain service under this warranty.

This warranty shall not be extended to any other person or transferee.

This warranty is void and of no effect if any serial numbers on the product are altered, replaced, defaced, missing or if service was attempted by an unauthorized service center. This limited warranty does not apply to any product not purchased and used in the United States.

This product is produced for home use and this warranty only covers failures due to defects in material or workmanship which occurs during normal use. It does not cover damage which occurs in shipment, or failures which are caused by repairs, alterations or product not supplied by FUNAI CORP., or damage which results from accident, misuse, abuse, mishandling, misapplication, alteration, faulty installation, improper maintenance, commercial use such as hotel, rental or office use of this product or damage which results from fire, flood, lightning or other acts of God.

THIS WARRANTY DOES NOT COVER PACKING MATERIALS, ANY ACCESSORIES (EXCEPT REMOTE CONTROL), ANY COSMETIC PARTS, COMPLETE ASSEMBLY PARTS, DEMO OR FLOOR MODELS.

FUNAI CORP. AND ITS REPRESENTATIVES OR AGENTS SHALL IN NO EVENT BE LIABLE FOR ANY GENERAL, INDIRECT OR CONSEQUENTIAL DAMAGES ARISING OUT OF OR OCCASIONED BY THE USE OF OR THE INABILITY TO USE THIS PRODUCT. THIS WARRANTY IS MADE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND OF ALL OTHER LIABILITIES ON THE PART OF FUNAI, ALL OTHER WARRANTIES INCLUDING THE WARRANTY OF MERCHANTABILITY, AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY DISCLAIMED BY FUNAI AND ITS REPRESENTATIVES IN THE UNITED STATES. ALL WARRANTY INSPECTIONS AND REPAIRS MUST BE PERFORMED BY AN AUTHORIZED SERVICE CENTER. THIS WARRANTY IS VALID WHEN THE UNIT IS CARRIED-IN TO AN AUTHORIZED SERVICE CENTER.

IMPORTANT:

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE. IF, AT ANY TIME DURING THE WARRANTY PERIOD, YOU ARE UNABLE TO OBTAIN SATISFACTION WITH THE REPAIR OF THIS PRODUCT, PLEASE CONTACT FUNAI CORP.

ATTENTION:

FUNAI CORP. RESERVES THE RIGHT TO MODIFY ANY DESIGN OF THIS PRODUCT WITHOUT PRIOR NOTICE.

WARRANTY STATEMENT REGARDING NON AUTHORIZED REPAIRS:

To obtain warranty service, you must take the product, or deliver the product freight prepaid, in either its original packaging or packaging affording an equal degree of protection, to any AUTHORIZED SERVICE CENTER. FUNAI CORP. will not reimburse you for any service done by unauthorized service providers without prior written approval.

To locate your nearest AUTHORIZED SERVICE CENTER or for general service inquiries, please contact us at:

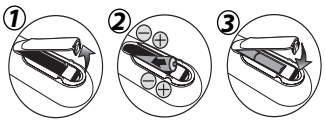
FUNAI CORPORATION
Customer Service

Tel :1-800-968-3429
http://www.SylvaniaConsumerElectronics.com
19900 Van Ness Avenue, Torrance, CA 90501

1 Conexiones

Si su televisor tiene entradas de audio/video vea la sección "Connection to a TV" en la página 6 en el manual de manejo. En caso contrario, vea la sección "Connecting to RF Modulator (Not Supplied)" en la página del frente en el manual de manejo.

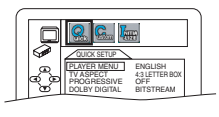
2 Instalación de las pilas en el control remoto



3 Para cambiar el idioma en la pantalla

1 POWER

Confirme que ha seleccionado "QUICK".

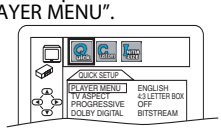


STOP ■

SETUP

ENTER

2 Confirme que ha seleccionado "PLAYER MENU".



ENTER

3 Seleccione el idioma deseado para las indicaciones en la pantalla.

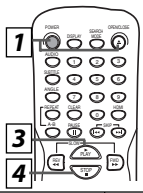
ENTER

4 Para salir del menú. SETUP

corte aquí

4 Reproducción

Antes.
¡Encienda el televisor, amplificador y otros equipos conectados a esta unidad. Asegúrese que el televisor y el sintonizador de audio están en el canal correcto.



1 Para abrir la bandeja del disco POWER → OPEN/CLOSE	**2** Ponga un disco con la etiqueta hacia arriba.
3 Para empezar la reproduccción. PLAY	**4** Para parar la reproducción. STOP ■

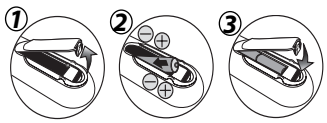
Botón (Orden alfabético) \ Disco	DVD	CD MP3 JPEG	DivX
1 2 3 4 5 6 7 8 9 0	• Para seleccionar directamente el capítulo o título.	• Para seleccionar directamente la canción.	• Para seleccionar directamente la canción.
REV ◄◄ FWD ►►	• Para buscar en avance/retroceso por un disco. • Para empezar la reproducción en avance lento/retroceso durante el modo de pausa.	• Para buscar en avance/retroceso por un disco. (CD/MP3)	• Para buscar en avance/retroceso por un disco. • Para empezar la reproduccion en avance lento/retroceso durante el mode de pausa.
ENTER ▲ ▼ ◄ ►	• Para mover el cursor y determinar la posición.	• Para mover el cursor y determinar la posición.	• Para mover el cursor y determinar la posición.
A-B	• Para repetir entre su punto A y B seleccionado.	• Para repetir entre su punto A y B seleccionado. (CD)	• Para repetir entre su punto A y B seleccionado.
ANGLE	• Para seleccionar los ángulos de la cámara en un disco.	• Para girar la imagen. (JPEG).	—
AUDIO	• Para seleccionar idiomas de audio en un disco.	• Para seleccionar "ESTÉREO", "L-ch" o "R-ch". (CD)	• Para acceder diferentes funciones en un disco.
CLEAR	• Para borrar los marcadores. • Para borrar los números mal entrados. • Para borrar el punto para la repetición A-B.	• Para borrar los marcadores. (CD) • Para eliminar el Nº de estado en la entrada de programa. • Para borrar los números mal entrados. • Para borrar el punto para la repetición A-B. (CD)	• Para borrar los números mal entrados. • Para borrar el punto para la repetición A-B.
DISPLAY	• Para mostrar el modo de disco actual.	• Para mostrar el modo de disco actual.	• Para mostrar el modo de disco actual.
HDMI	• Para ponerle el rendimieto señalado al HDMI.	• Para ponerle el rendimieto señalado al HDMI.	• Para ponerle el rendimieto señalado al HDMI.
MENU	• Para llamar el menú en un disco.	• Para abrir la lista de archivos.	• Para abrir la lista de archivos.
MODE	• Para activar/desactivar el nivel del negro. • Para activar/desactivar el ambiental virtual.	• Para disponer el orden de reproducción o la reproducción aleatoria. (CD) • Para activar/desactivar el ambiental virtual. (CD/MP3) • Para activar el modo carrusel de diapositivas. (JPEG)	• Para activar/desactivar el nivel del negro.
OPEN/CLOSE ▲	• Para abrir o cerrar la bandeja del disco. • Para encender la unidad.	• Para abrir o cerrar la bandeja del disco. • Para encender la unidad.	• Para abrir o cerrar la bandeja del disco. • Para encender la unidad.
PAUSE ❚❚	• Para hacer una pausa en la reproducción. • Para avanzar la reproducción un cuadro cada vez.	• Para hacer una pausa en la reproducción del disco.	• Para hacer una pausa en la reproducción del disco. • Para avanzar la reproducción un cuadro a la vez.
PLAY ►	• Para empezar la reproducción del disco. • Para encender la unidad.	• Para empezar la reproducción del disco. • Para encender la unidad.	• Para empezar la reproducción del disco. • Para encender la unidad.
POWER	• Para encender o apagar la unidad.	• Para encender o apagar la unidad.	• Para encender o apagar la unidad.
REPEAT	• Para reproducir repetidamente un capítulo o título.	• Para reproducir repetidamente una canción o disco. (CD) • Para reproducir repetidamente una canción, grupo o disco. (MP3/JPEG)	• Para repetir la reproducción de una pista, un grupo o un disco.
RETURN	• Para volver a la operación anterior en el menú.	• Para volver a la operación anterior en el menú.	• Para volver a la operación anterior en el menú.
SEARCH MODE	• Para buscar un capítulo, título o tiempo. • Para colocar o buscar los marcadores.	• Para buscar una canción. • Para buscar el tiempo. (CD) • Para colocar o buscar los marcadores. (CD)	• Para buscar una canción. • Para buscar el tiempo.
SETUP	• Para llamar el menú de ajustes de DVD.	• Para llamar el menú de ajustes de DVD.	• Para llamar el menú de ajustes de DVD.
SKIP ◄◄ ►►❙	• Para saltar capítulos o titulo.	• Para saltar canciones.	• Para saltar canciones.
STOP ■	• Para parar la reproducción.	• Para parar la reproducción.	• Para parar la reproducción.
SUBTITLE	• Para seleccionar subtítulos en un disco.	—	• Para seleccionar subtítulos en un disco.
TOP MENU	• Para llamar el menú inicial en un disco.	• Para volver al archivo superior de la jerarquía más alta en el programa y en la lista de archivo. (MP3/JPEG)	• Para volver al primer archivo en la jerarquía superior de la lista de archivos.
ZOOM	• Para ampliar la imagen de vídeo en DVD. (x2 / x4)	• Para ampliar parte de la imagen (x2). (JPEG)	• Para ampliar parte de la imagen (x2).

Quick Use Guide

1 Connections

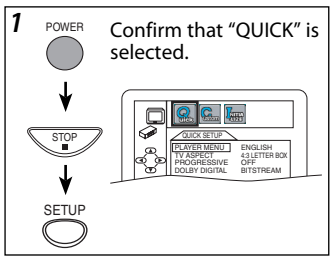
If your TV has audio/video input jacks, see the section "Connection to a TV" on page 6 of the owner's manual. If not, see the section "Connecting to RF Modulator (Not Supplied)" on the front page of the owner's manual.

2 Installing the Batteries for the Remote Control



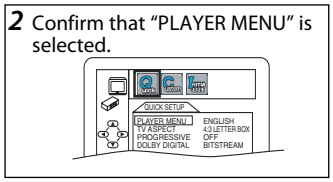
3 To Change the On-Screen Language

1 Confirm that "QUICK" is selected.



ENTER

2 Confirm that "PLAYER MENU" is selected.



ENTER

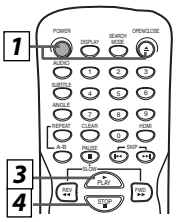
3 Select the desired language for the on-screen display.

ENTER

4 To exit the menu. SETUP

4 Playback

Before:
Turn on the TV, amplifier and any other equipment which are connected to this unit. Make sure the TV and audio receiver are set to the correct channel.



1 To open the disc tray
POWER → OPEN/CLOSE

2 Insert a disc with label facing up.

3 To start playback
PLAY

4 To stop playback
STOP

Button (Alphabetical order) \ Disc	DVD	CD MP3 JPEG	DivX
1 2 3 4 5 6 7 8 9 0	• To select chapter or title directly.	• To select track or file directly.	• To select file directly.
REV FWD	• To search forward/backward through a disc. • To begin slow forward/reverse playback in the pause mode.	• To search forward/backward through a disc. (CD/MP3)	• To search forward/backward through a disc. • To begin slow forward playback in the pause mode.
ENTER	• To move the cursor and determine its position.	• To move the cursor and determine its position.	• To move the cursor and determine its position.
A-B	• To repeat between your chosen point of A and B.	• To repeat between your chosen point A and B. (CD)	• To repeat between your chosen point A and B.
ANGLE	• To select camera angles on a disc.	• To rotate a picture. (JPEG)	—
AUDIO	• To select audio language on a disc.	• To select "STEREO", "L-ch" or "R-ch". (CD)	• To access a various audio function on the disc.
CLEAR	• To clear the markers. • To clear the numbers. • To cancel the point for A-B repeat.	• To clear the markers. (CD) • To remove status number in program input. • To clear the numbers entered incorrectly. • To cancel the point for A-B repeat. (CD)	• To clear the numbers entered incorrectly. • To cancel the point for A-B repeat.
DISPLAY	• To display the current disc mode.	• To display the current disc mode.	• To display the current disc mode.
HDMI	• To set the HDMI signal output.	• To set the HDMI signal output.	• To set the HDMI signal output.
MENU	• To call up the menu on a disc.	• To call up the file list. (MP3/JPEG)	• To call up the file list.
MODE	• To set black level on/off. • To set virtual surround on/off.	• To arrange the playing order or play randomly. (CD) • To set virtual surround on/off. (CD/MP3) • To activate the slide show mode. (JPEG)	• To set black level on/off.
OPEN/CLOSE	• To open or close the disc tray. • To turn on the unit.	• To open or close the disc tray. • To turn on the unit.	• To open or close the disc tray. • To turn on the unit.
PAUSE	• To pause disc playback. • To advance playback one frame at a time.	• To pause disc playback.	• To pause disc playback. • To advance playback one frame at a time.
PLAY	• To begin disc playback. • To turn on the unit.	• To begin disc playback. • To turn on the unit.	• To begin disc playback. • To turn on the unit.
POWER	• To turn the unit on/off.	• To turn the unit on/off.	• To turn the unit on/off.
REPEAT	• To play back a chapter or title repeatedly.	• To play back a track or disc repeatedly. (CD) • To play back a file, folder or disc repeatedly. (MP3/JPEG)	• To play back a track, group or disc repeatedly.
RETURN	• To return to the previous operation in menu.	• To return to the previous operation in menu.	• To return to the previous operation in menu.
SEARCH MODE	• To search chapter, title or time. • To set or search the markers.	• To search tracks. • To search time. (CD) • To set or search the markers. (CD)	• To search tracks. • To search time.
SETUP	• To call up the setup menu.	• To call up the setup menu.	• To call up the setup menu.
SKIP	• To skip chapters or titles.	• To skip tracks.	• To skip tracks.
STOP	• To stop playback.	• To stop playback.	• To stop playback.
SUBTITLE	• To select subtitles on a disc.	—	• To select subtitles on a disc.
TOP MENU	• To call up the top menu on a disc.	• To return to the top file in the highest hierarchy of the program and the file list. (MP3/JPEG)	• To return to the top file in the highest hierarchy of the file list.
ZOOM	• To magnify part of a picture. (x2/x4)	• To magnify part of a picture. (x2) (JPEG)	• To magnify part of a picture. (x2)

cut here

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